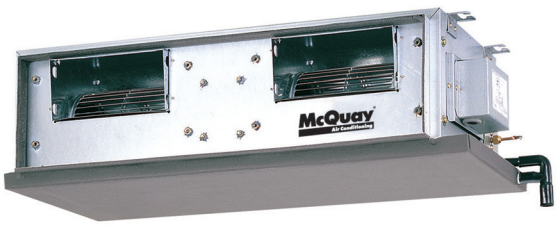
Catalog

M5LCX-2009

DC Inverter Single Split

Models: M5LCX 010 C/CR
M5LCX 015 C/CR
M5LCX 020 C/CR
M5LCX 025 C/CR



McQuay Air Conditioning

Engineered for flexibility and performance.™

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Nomenclature

Indoor Unit

M	5	WM	X	010	G	R

Brand	
M	: McQuay

Refrigerant	
5	: R410A

Model Name	
WM	: Wall Mounted

Inverter System Type	
X	: X series

Capacity Index	
010	: 10,000 Btu/h
015	: 15,000 Btu/h
020	: 20,000 Btu/h
025	: 25,000 Btu/h

Chassis	
G	: G series

Model Type	
“ ”	: Omitted if cooling only
R	: Heatpump

Indoor Unit

M	5	CC	X	010	A	R

Brand	
M	: McQuay

Refrigerant	
5	: R410A

Model Name	
CK	: Ceiling Cassette
CM	: Ceiling Convertible
CC	: Ceiling Concealed

Inverter System Type	
X	: X series

Capacity Index	
010	: 10,000 Btu/h
015	: 15,000 Btu/h
020	: 20,000 Btu/h
025	: 25,000 Btu/h

Chassis	
A	: A series
C	: C series
E	: E series

Model Type	
“ ”	: Omitted if cooling only
R	: Heatpump

Outdoor Unit

M	5	LC	X	010	C	R

Brand	
M	: McQuay

Refrigerant	
5	: R410A

Model Name	
LC	: Single Split Condensing Unit

Inverter System Type	
X	: X series

Capacity Index	
010	: 10,000 Btu/h
015	: 15,000 Btu/h
020	: 20,000 Btu/h
025	: 25,000 Btu/h

Chassis	
C	: C series

Model Type	
“ ”	: Omitted if cooling only
R	: Heatpump

Product Line-Up

Indoor Unit
M5WMX

M5WMX		Nomenclature	Classification															
			Handset		PCB		Air Purification						Marking		Others	
			G17		VA2.0		Ionizer Filter	Saranet Filter	Negative Ionizer	Nano Technology Air Filtration	O2 Therapy	Non-Thermal Plasma (NTP)	CE		Auto Restart	
COOLING ONLY	010G	ACITE	X		X		X	X					X		X	
	015G	ACITE	X		X		X	X					X		X	
	020G	ACITE	X		X		X	X					X		X	
	025G	ACITE	X		X		X	X					X		X	
HEATPUMP	010GR	ACITE	X		X		X	X					X		X	
	015GR	ACITE	X		X		X	X					X		X	
	020GR	ACITE	X		X		X	X					X		X	
	025GR	ACITE	X		X		X	X					X		X	

Indoor Unit
M5CKX-A

M5CKX		Nomenclature	Classification															
			Handset		PCB		Air Purification						Marking		Refrigerant Control		Others	
			G17	G11(w/o Turbo Mode)	090A-AP	090A-EC	Ionizer Filter	Saranet Filter	Negative Ionizer	Nano Technology Air Filtration	O2 Therapy	Non-Thermal Plasma (NTP)	CE		with Cape Tube	w/o Cape Tube	with Auto Air Swing	Auto Restart
COOLING ONLY																		
	020A	AFAA	X			X		X					X			X	X	
	025A	AFAA	X			X		X					X			X	X	
HEAT PUMP																		
	020AR	AFAA	X		X			X					X			X	X	
	025AR	AFAA	X		X			X					X			X	X	

Indoor Unit
M5CKX-C

M5CKX		Nomenclature	Classification															
			Handset		PCB		Air Purification						Marking		Refrigerant Control		Others	
			G17	G7(w/o Turbo Mode)	090A-AP	090A-EC	Ionizer Filter	Saranet Filter	Negative Ionizer	Nano Technology Air Filtration	O2 Therapy	Non-Thermal Plasma (NTP)	CE		with Cape Tube	w/o Cape Tube	with Auto Air Swing	Auto Restart
COOLING ONLY	010C	AFAA	X			X		X					X			X	X	
	015C	AFAA	X			X		X					X					
	020C	AFAA	X			X		X					X			X	X	
HEAT PUMP	010CR	AFAA	X		X			X					X			X	X	
	015CR	AFAA	X		X			X					X			X	X	
	020CR	AFAA	X		X			X					X			X	X	

Indoor Unit
PLCKX

	Nomenclature	Classification					
		Handset		Marking		Others	
		G17	G18	CE		with Auto Air Swing	Auto Restart
COOLING ONLY							
	PLCKXA-G17	X		X		X	
	PLCKXC-G17	X		X		X	
HEAT PUMP							
	PLCKXCR-G17	X		X		X	

Indoor Unit
M5CMX

M5CMX		Nomenclature	Classification															
			Handset		PCB		Air Purification						Marking		Refrigerant Control		Others	
			G17	G17 (w/o Turbo Mode)	09A-AP	09A-EC	Ionizer Filter	Saranet Filter	Negative Ionizer	Nano Technology Air Filtration	O2 Therapy	Non-Thermal Plasma (NTP)	CE		with Cap Tube	w/o Cap Tube	with Auto Air Swing	Auto Restart
COOLING ONLY																		
	015E	ACHVA	X			X			X	X			X			X		
	020E	ACHVA	X			X			X	X			X			X		
	025E	ACHVA	X			X			X	X			X			X		
HEATPUMP																		
	015ER	ACGVA	X		X				X	X			X			X		
	020ER	ACGVA	X		X				X	X			X			X		
	025ER	ACGVA	X		X				X	X			X			X		

Indoor Unit
M5CCX

M5CCX		Nomenclature	Classification															
			Handset		PCB		Air Purification						Marking		Refrigerant Control		Others	
			G17	SLM WIRED	09A-AP	09A-EC	Ionizer Filter	Saranet Filter	Negative Ionizer	Nano Technology Air Filtration	O2 Therapy	Non-Thermal Plasma (NTP)	CE		with Cap Tube	w/o Cap Tube	with EPS Drain Pan	Auto Restart
COOLING ONLY																		
	010C	AFAA		X		X		X					X			X	X	
	015C	AFAA		X		X		X					X			X	X	
	020C	AFAA		X		X		X					X			X	X	
	025C	AFAA		X		X		X					X			X	X	
HEATPUMP																		
	010CR	AFAA		X	X			X					X			X	X	
	015CR	AFAA		X	X			X					X			X	X	
	020CR	AFAA		X	X			X					X			X	X	
	025CR	AFAA		X	X			X					X			X	X	

Outdoor Unit
M5LCX

M5LCX		Nomenclature	Classification																	
			PCB		Refrigerant Control		Fin			Safety Devices			Compressor		Marking		Others	
			VB2.0	LJ DSCAA	Cap Tube	EXV	Gold coated	Blue coated	Bare	Contactor	HP	LP	DC Inverter Rotary	DC Inverter Scroll	CE		Drain Elbow	
COOLING ONLY																		
	010C	ACIUA	X		X		X						X		X		X	
		ACOTA	X		X			X						X	X		X	
		ACOUA	X		X			X					X		X		X	
	015C	ACIUA	X		X		X						X		X		X	
		ACOTA	X		X			X						X	X		X	
		ACOUA	X		X			X					X		X		X	
	020C	ACITA	X			X	X							X	X		X	
		ACOTA	X			X			X					X	X		X	
	025C	ACITA	X			X	X							X	X		X	
		ACOTA	X			X			X					X	X		X	
HEATPUMP																		
	010CR	ACITA	X		X		X							X	X		X	
		ACIUA	X		X		X						X		X		X	
		ACOTA	X		X			X						X	X		X	
		ACOUA	X		X			X					X		X		X	
	015CR	ACOTA	X		X			X						X	X		X	
		ACOUA	X		X			X					X		X		X	
		ACITA	X		X		X							X	X		X	
	020CR	ACOTA	X			X		X						X	X		X	
	025CR	ACOTA	X			X		X						X	X		X	

Features

Self Diagnosis

The microprocessor provides the possibility to detect and diagnose any fault or malfunction that occurs in the system. The error will be reflected by the blinking of the LED lights.

Advance Technology

Incorporating fuzzy logic control enables greater flexibility in system control handling to achieve
- Powerful, efficient and economical operation.
- Even room temperature control.
- Constant and quiet compressor operation.
- Enhanced system reliability and reduced maintenance costs.

On / Off Button on Indoor Unit

On/Off button is provided on the front panel of the unit. It can be used when the remote controller is missing or if its battery has run out. (Note: This button can also be used for forced operation mode)

Wireless Remote Controller

- The compact LCD transmitter is able to operate the air conditioner unit within the distance of 8 meters.
- Fan speed can be set at high / medium / low / super low or automatic.
- Sleep mode auto control will gradually increase or decrease the setting temperature to provide a comfortable surrounding for sleeping.
- Air flow direction can be controlled automatically.
- Room temperature is controlled by electronic thermostat.
- The real time timer allows the air conditioner to be switched On and Off automatically based on user settings.
- Turbo mode function is available to enables the required set temperature to be achieved in a short time.
- Personalized Setting allows user to preset and store 2 groups of personal settings (including timer setting) in the handset.

Higher Energy Savings

The inverter compressor is programmed to run at the optimum speed. This is controlled by input frequency that varies according to the indoor load requirements.
Once the indoor set temperature is achieved, the input frequency supply to the compressor will be reduced. Hence, less power is required to maintain the unit operation and this will consume less energy.

Improved Compressor Life Span

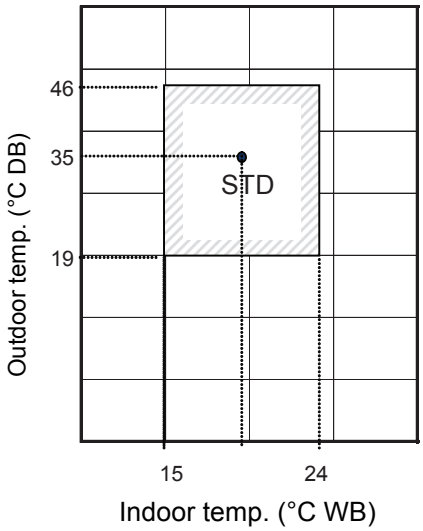
For this multi-split inverter system, once the unit is started, the compressor rotation speed is steadily ramp up or down based on load requirement throughout the operation. This control method gives the compressor motor a smooth operation. It helps to reduce the wear and tear of the compressor motor. In the long run, the life span of compressor is increased.

Application Information

Operating Range

Ensure the operating temperature is in allowable range.

Cooling Only

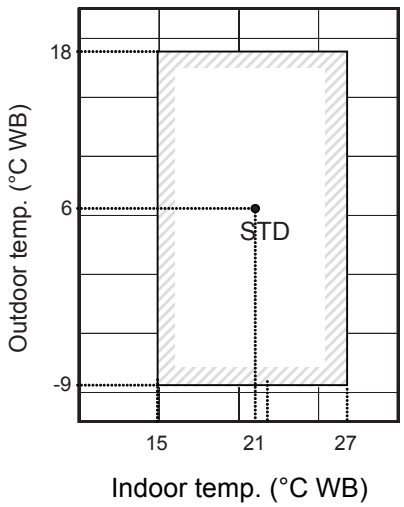


⚠ Caution :

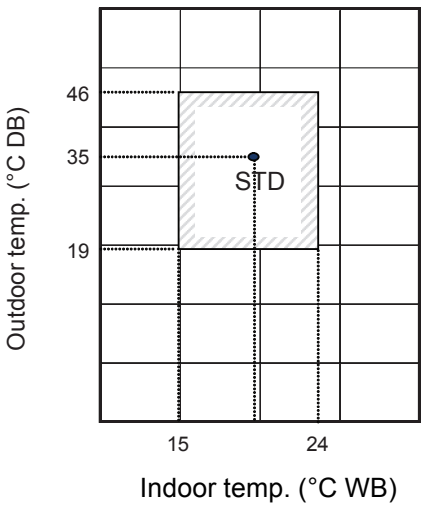
The use of your air conditioner outside the range of working temperature and humidity can result in serious failure.

Heatpump

Heating

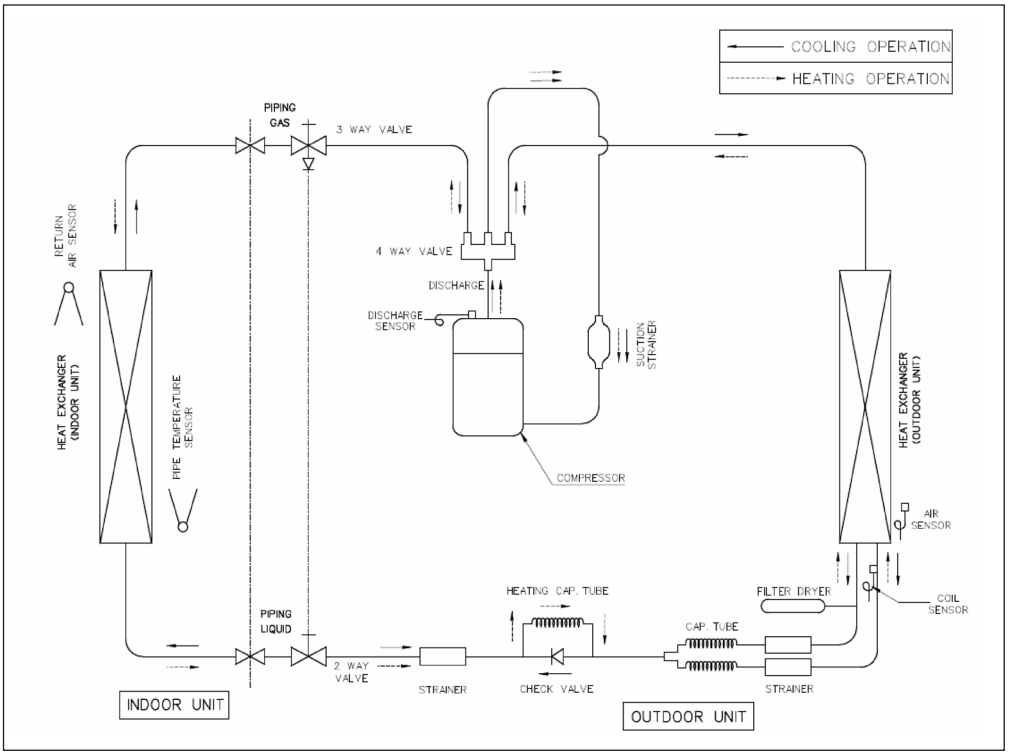


Cooling

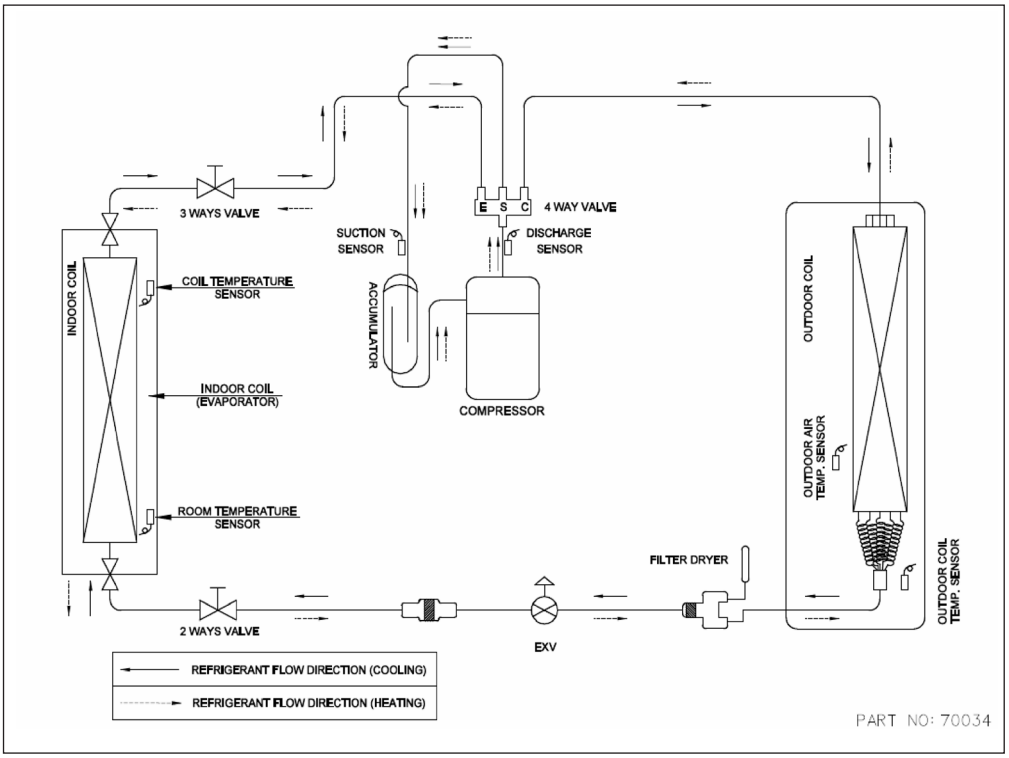


Refrigerant Circuit Diagram

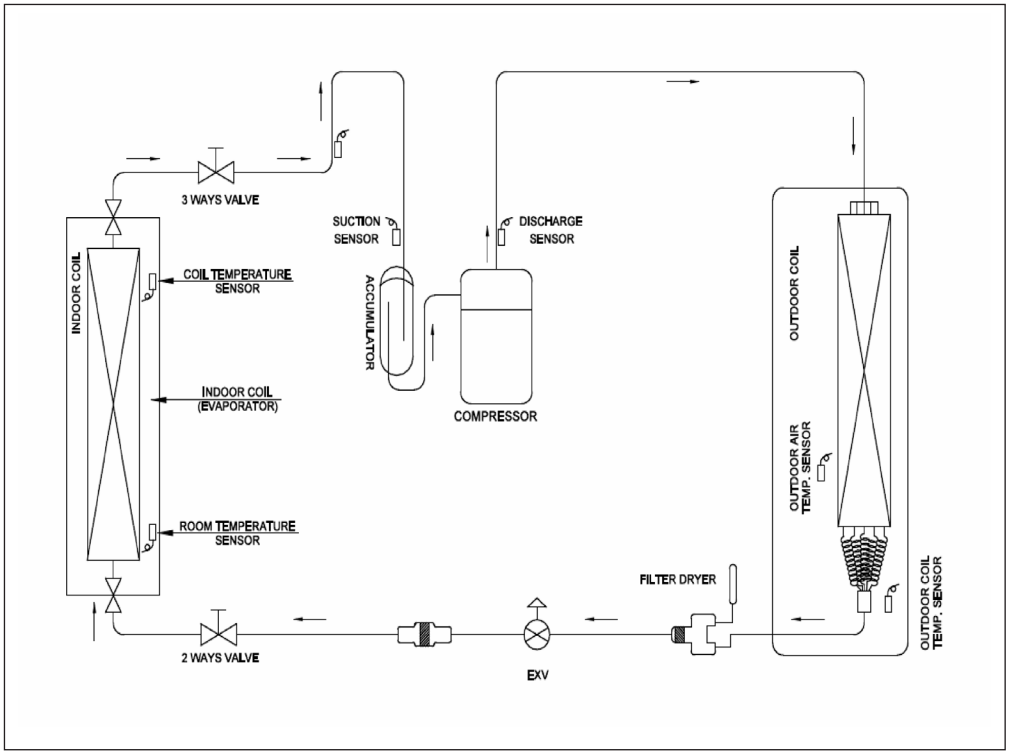
Model: M5LCX010C/CR-M5WMX010G/GR
M5LCX015C/CR-M5WMX015G/GR



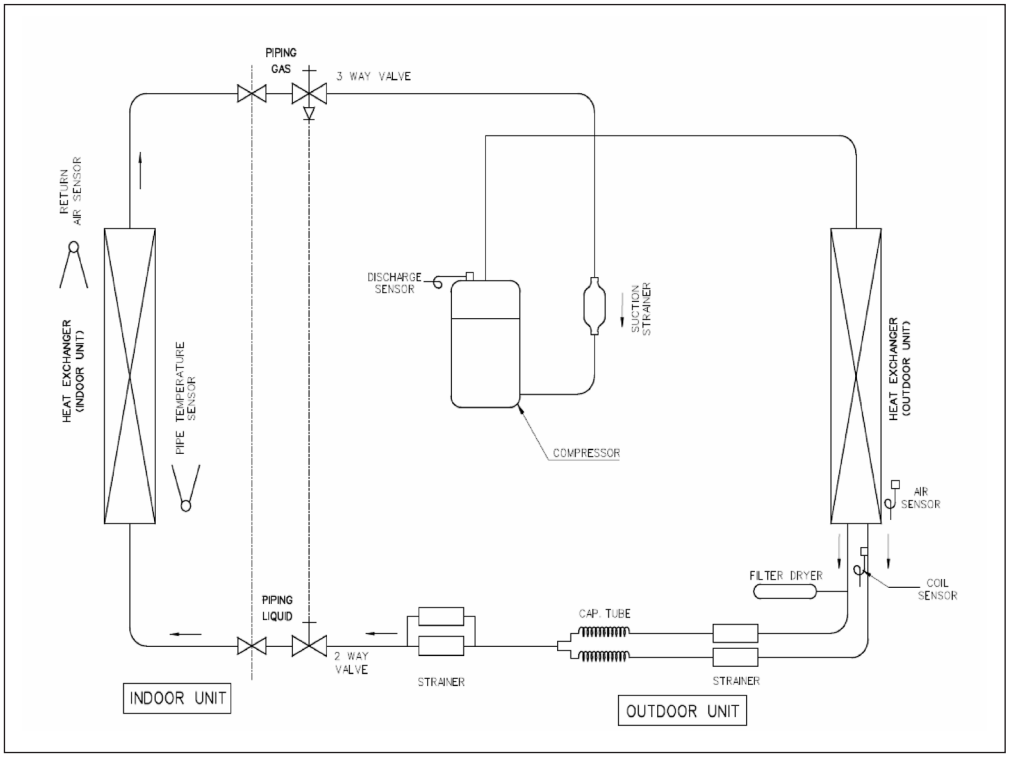
Model: M5LCX020C/CR-M5WMX020G/GR
M5LCX025C/CR-M5WMX025G/GR



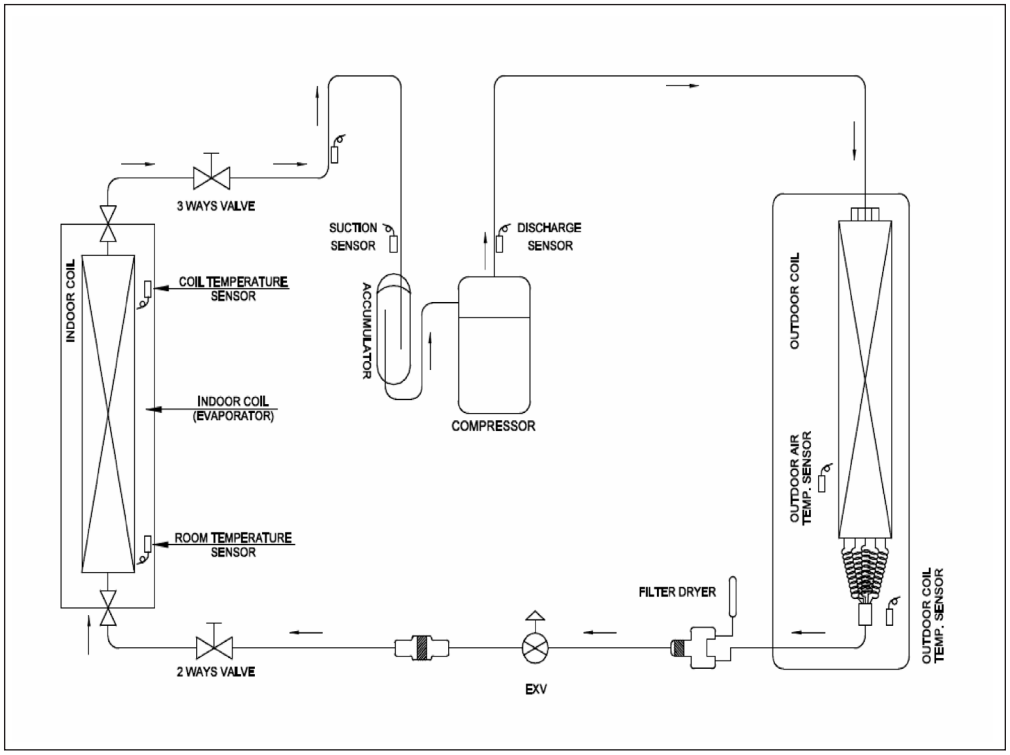
Model: M5LCX020C/CR-M5CKX020A/AR
M5LCX025C/CR-M5CKX025A/AR
M5LCX025C/CR-M5CKX020C/CR



Model: M5LCX010C-M5CKX010C
M5LCX015C-M5CKX015C



Model: M5LCX020C-M5CMX020E
M5LCX025C-M5CMX025E



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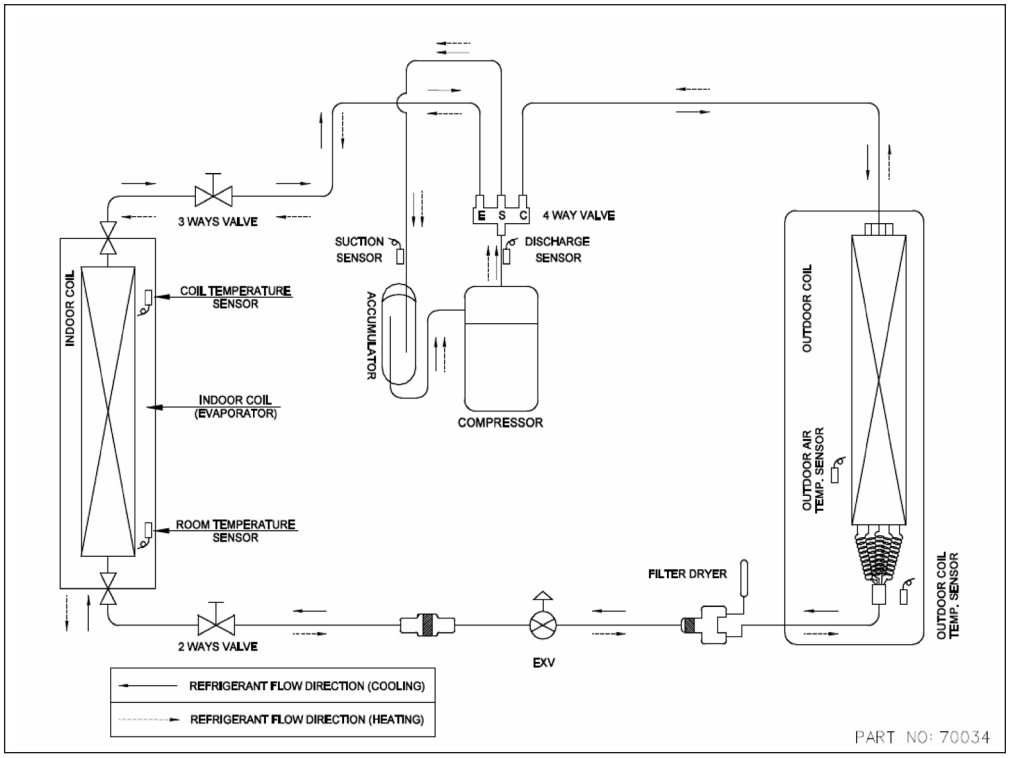
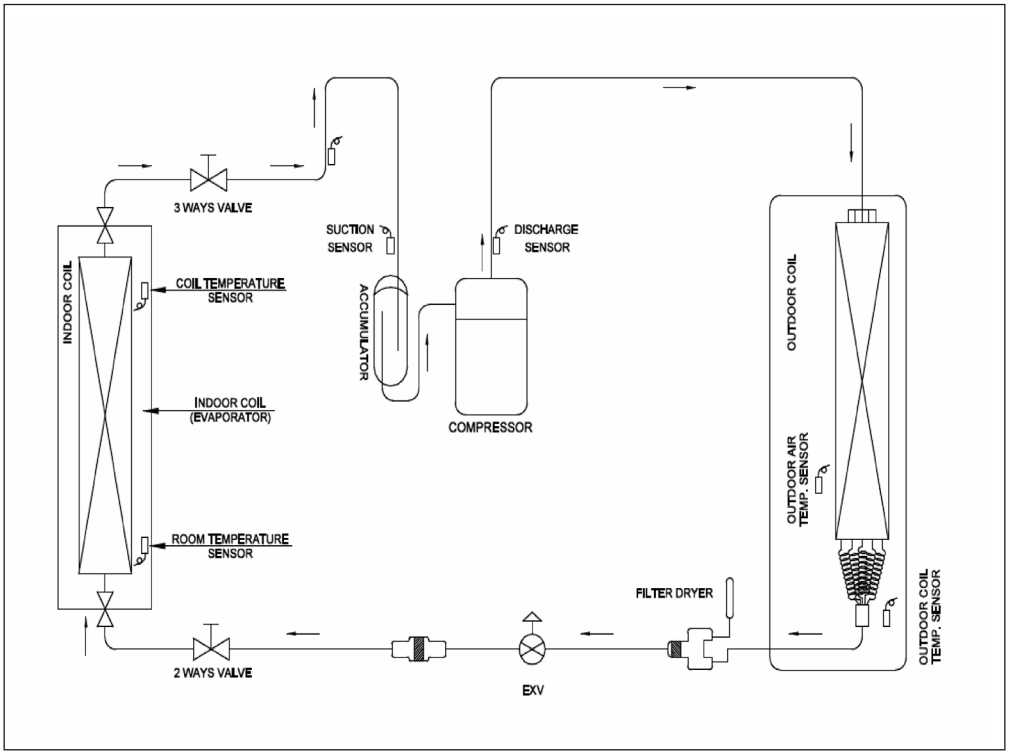
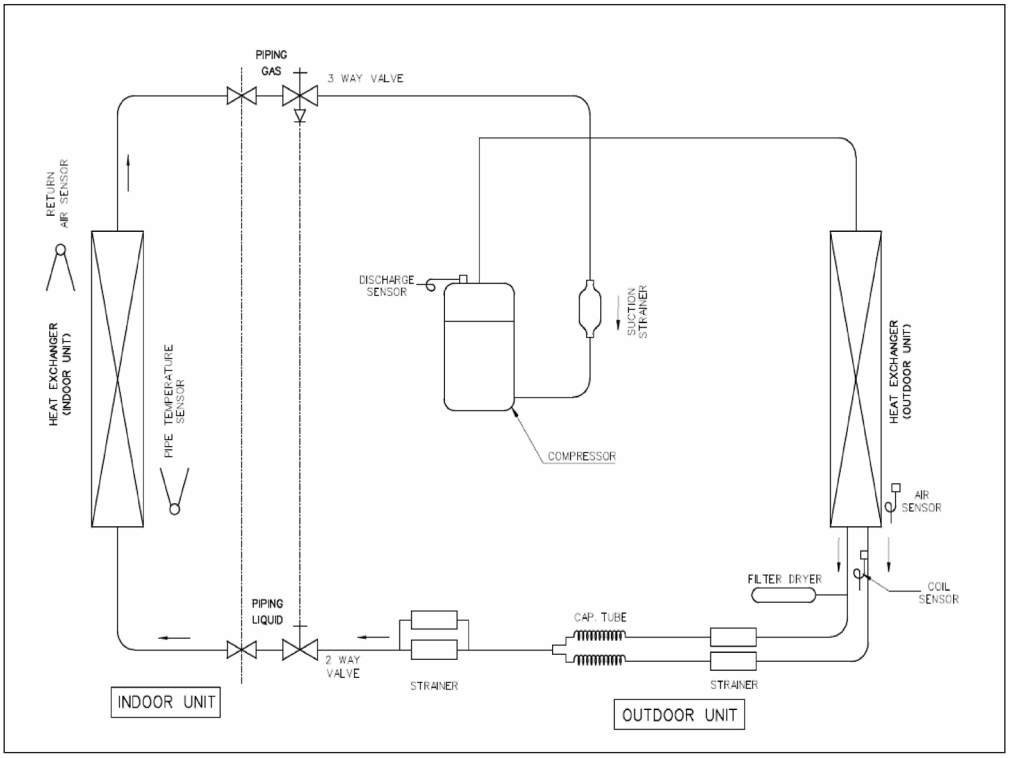
M5LCX025CR-M5CMX025ER



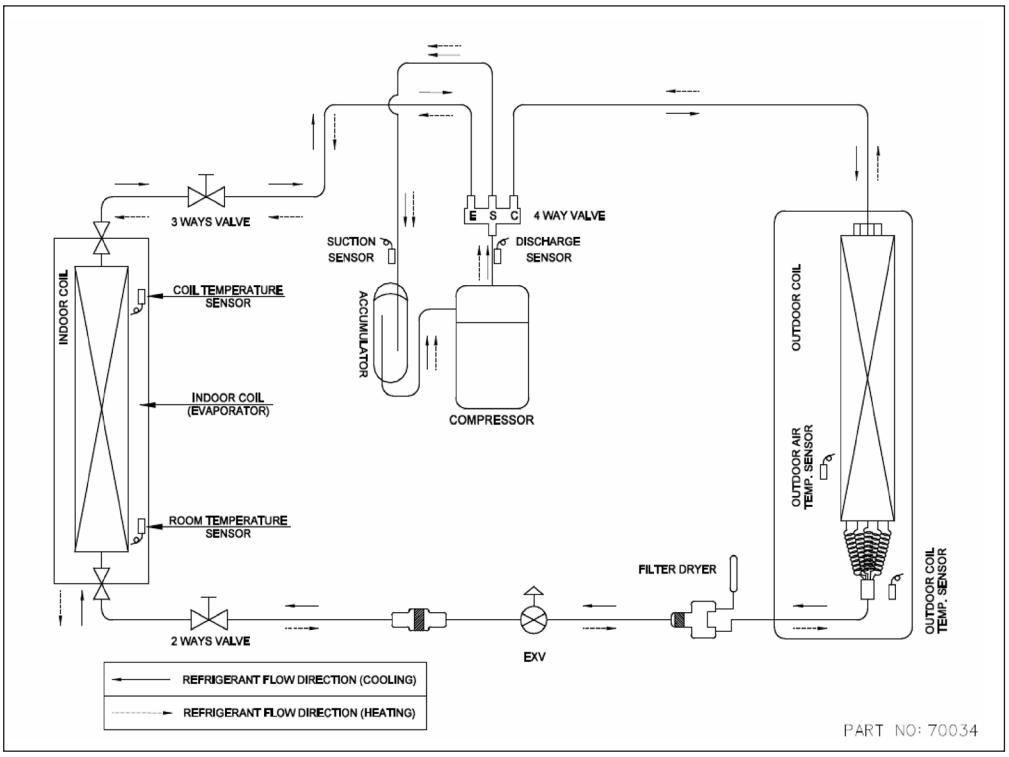
Model: M5LCX020C-M5CMX020E
M5LCX025C-M5CMX025E



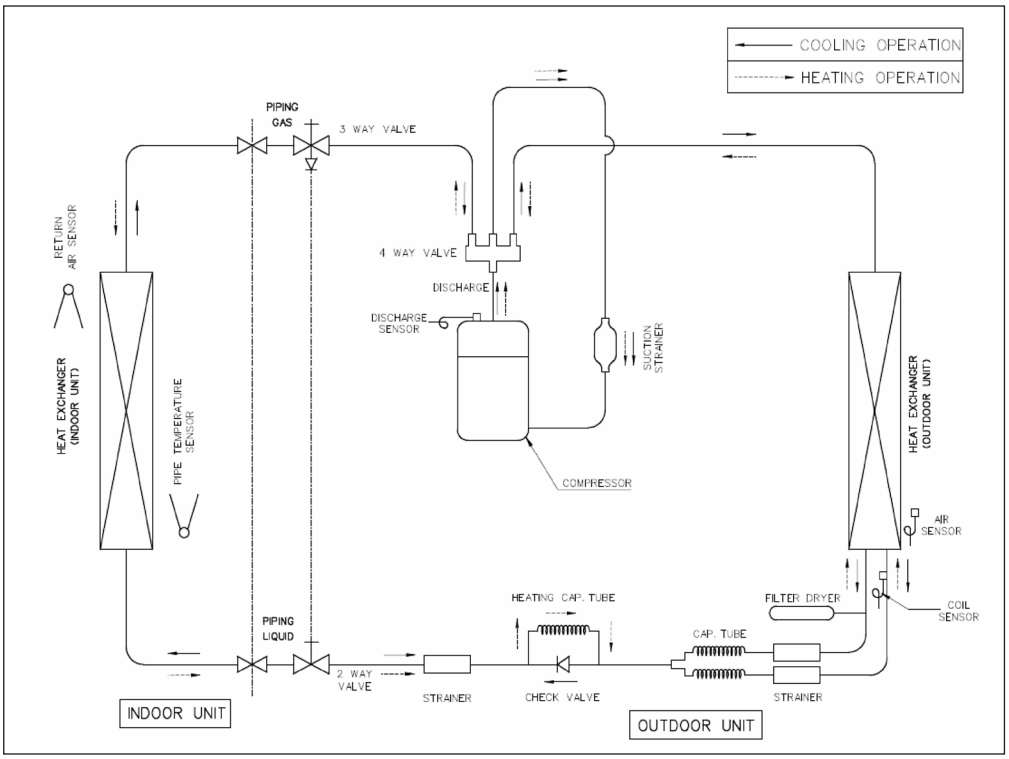
Model: M5LCX010C-M5CCX010C
M5LCX015C-M5CCX015C



Model: M5LCX020CR-M5CCX020CR
M5LCX025CR-M5CCX025CR

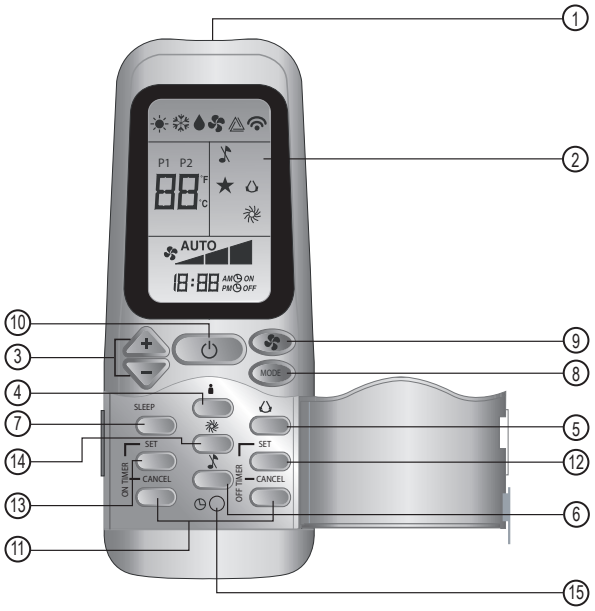


Model: M5LCX010CR-M5CCX010CR
M5LCX015CR-M5CCX015CR



Controller

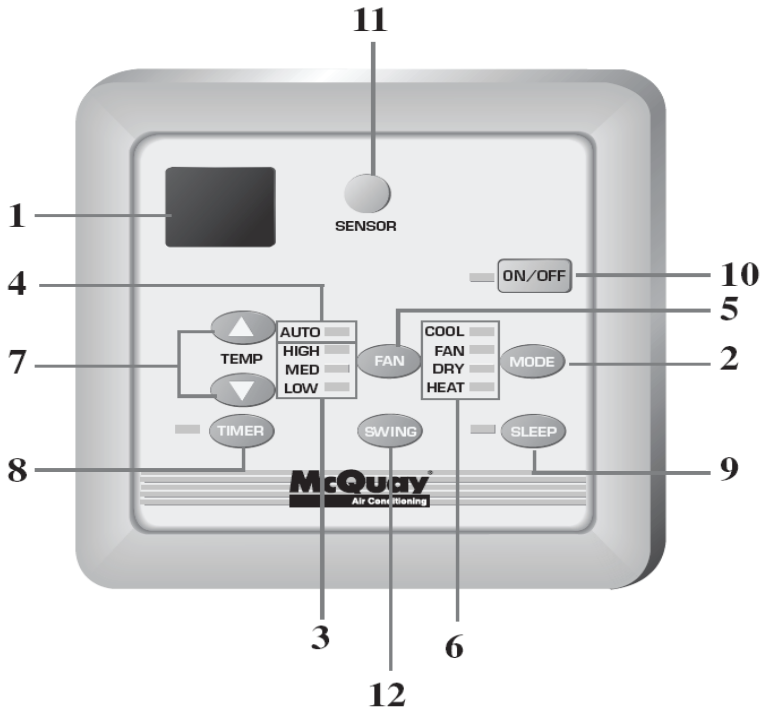
G17



Operation Guide

1	**Transmission Source** • The source where the signal will be transmitted.
2	**Signal Transmission Indication** • Blink to confirm that the last setting has been transmitted to the unit.
3	**Temperature Setting** • To set the desired room temperature, press the ▲ or ▼ button to increase orde crease the set temperature. • The temperature setting range is from 16°C to 30°C (optional setting 20°C to 30°C).
4	**Personalize Setting** • Press and hold for 3s, then will blink. Press again to cycle between and • Set the desire setting, then leave the hand set for 4s without pressing any key and it will save the setting into the programme. • Press once to activate the P1 setting, press again to cycle between P1 and P2. • Press any key to deactivate the personalize setting.
5	**Automatic Air Swing (optional)** • Press the SWING button to activate the automatic air swing function. • To distribute the air to a specific direction, press the SWING button and wait until the louver move to the desired direction and press the button once again.
6	**Silent Function** • Press for quiet operation. • Fan speed turn to minimum speed. • Press again to deactivate the function.
7	**Sleep Mode Setting** • Press the SLEEP button will activate the sleep mode function. This function is available under COOL, HEAT and AUTO mode. • When the unit is operating under cooling mode, the set temperature is increased by 0.5°C after 30 minutes, 1°C after an hour, and 2°C after 2 hours. • When the unit is operating under heating mode, the set temperature is decreased by 1°C after 30 minutes, 2°C after an hour, and 3°C after 2 hours.
8	**Operating Mode** • Press the MODE button to select the type of operating mode. • For cooling only unit, the available modes are: COOL (❄), DRY (💧) and FAN (🌀).
9	**Fan Speed Selection** • Press the button continuously will toggle the fan speed in the following order: Low → Med → High → Auto • Stop pressing when the desired fan speed appears on the display screen.
10	**"ON/OFF" Button** • Press one to start the air conditioner unit. • Press again to stop the unit.
11	**Timer Cancel** • Press the TIMER CANCEL button to cancel the on timer setting.
12	**OFF Timer Setting** • Press the OFF TIMER button will activate the off timer function. • Set the desired off time by pressing the OFF TIMER button continuously.
13	**ON Timer Setting** • Press the ON TIMER button will activate the on timer function. • Set the desired on time by pressing the ON TIMER button continuously. If the timer is set to 7.30am, the air conditioner will turn on at 7.30am sharp.
14	**Turbo Function** • Press for fast cooling. • Fan speed turn to maximum speed. • Press again to deactivate the function.
15	**Clock Time Setting** • Press and hold to set the clock time.

SLM 3



1	**Temperature (Seven Segments)** • To indicate the ambient temperature set by the user.
2	**Mode** • To indicate the selected operating mode: HEAT & DRY / COOL / FAN (LED green / yellow / red).
3	**Ventilation Speed** • To indicate the selected ventilation speed: LOW / MED / HIGH • For U1-SB125 only have single speed: HIGH.
4	**Auto Selection** • Automatic selection for speed, whereby the speed is automatically adjusted according to the room temperature.
5	**Fan and Ventilation Mode** • Press the fan button to set the desired selection.
6	**Operation Selection Mode** • Press the mode button to select the type of operation mode. • Cooling unit: COOL, DRY, FAN. • Heat pump unit: AUTO, COOL, DRY, FAN, HEAT.
7	**Temperature Setting** • Set the desired temperature. • Press ▲ or ▼ button to increase or decrease the set temperature. The setting range is between 16°C to 30°C (60°F to 80°F).
8	**Timer Switch Setting** • Press the set button to activate the switch timer of the air conditioner unit (the setting range is between 1 to 10 hours). The unit will be at ON or OFF state in function of operating mode.
9	**"Sleep" Function** • Press the sleep button to select the sleep function. This function cannot be selected if the air conditioner unit is operating under FAN mode only or dry mode. For SLEEP function operating under COOL mode, the setting temperature increases to 0.5°C after 30 minutes, 1°C after 1 hour and 2°C after 2 hours.
10	**"ON/OFF" Switch** • Press once, the air conditioner unit starts. • Press again, the air conditioner unit stops.
11	**IR Receiver**
12	**Automatic Air Swing (Optional)** • Press the SWING button to activate the automatic air swing function. • To distribute the air to a specific direction, press the button and wait until the louver move to the desired direction and press the SWING button once again.

Installation Guideline

Safety Precautions

⚠ WARNING

- Installation and maintenance should be performed by qualified persons who are familiar with local code and regulation, and experienced with this type of appliance.
- All field wiring must be installed in accordance with the national wiring regulation.
- Ensure that the rated voltage of the unit corresponds to that of the name plate before commencing wiring work according to the wiring diagram.
- The unit must be GROUNDED to prevent possible hazard due to insulation failure.
- All electrical wiring must not touch the refrigerant piping or any moving parts of the fan motors.
- Confirm that the unit has been switched OFF before installing or servicing the unit.
- Disconnect from the main power supply before servicing the air conditioner unit.
- DO NOT pull out the power cord when the power is ON. This may cause serious electrical shocks which may result in fire hazards.
- Keep the indoor and outdoor units, power cable and transmission wiring, at least 1m from TVs and radios, to prevent distorted pictures and static. {Depending on the type and source of the electrical waves, static may be heard even when more than 1m away}.

⚠ CAUTION

Please take note of the following important points when installing.

- **Do not install the unit where leakage of flammable gas may occur.**

  If gas leaks and accumulates around the unit, it may cause fire ignition.
- **Ensure that drainage piping is connected properly.**

  If the drainage piping is not connected properly, it may cause water leakage which will dampen the furniture.
- **Do not overcharge the unit.**

  This unit is factory pre-charged. Overcharge will cause over-current or damage to the compressor.
- **Ensure that the unit's panel is closed after service or installation.**

  Unsecured panels will cause the unit to operate noisily.
- **Sharp edges and coil surfaces are potential locations which may cause injury hazards. Avoid from being in contact with these places.**
- **Before turning off the power supply, set the remote controller's ON/OFF switch to the "OFF" position to prevent the nuisance tripping of the unit.** If this is not done, the unit's fans will start turning automatically when power resumes, posing a hazard to service personnel or the user.
- **Do not operate any heating apparatus too close to the air conditioner unit.** This may cause the plastic panel to melt or deform as a result of the excessive heat.
- **Ensure the color of wires of the outdoor unit and the terminal markings are same to the indoors respectively.**
- **IMPORTANT : DO NOT INSTALL OR USE THE**
- **AIR CONDITIONER UNIT IN A LAUNDRY ROOM.**
- **Do not use joined and twisted wires for incoming power supply.**

NOTICE

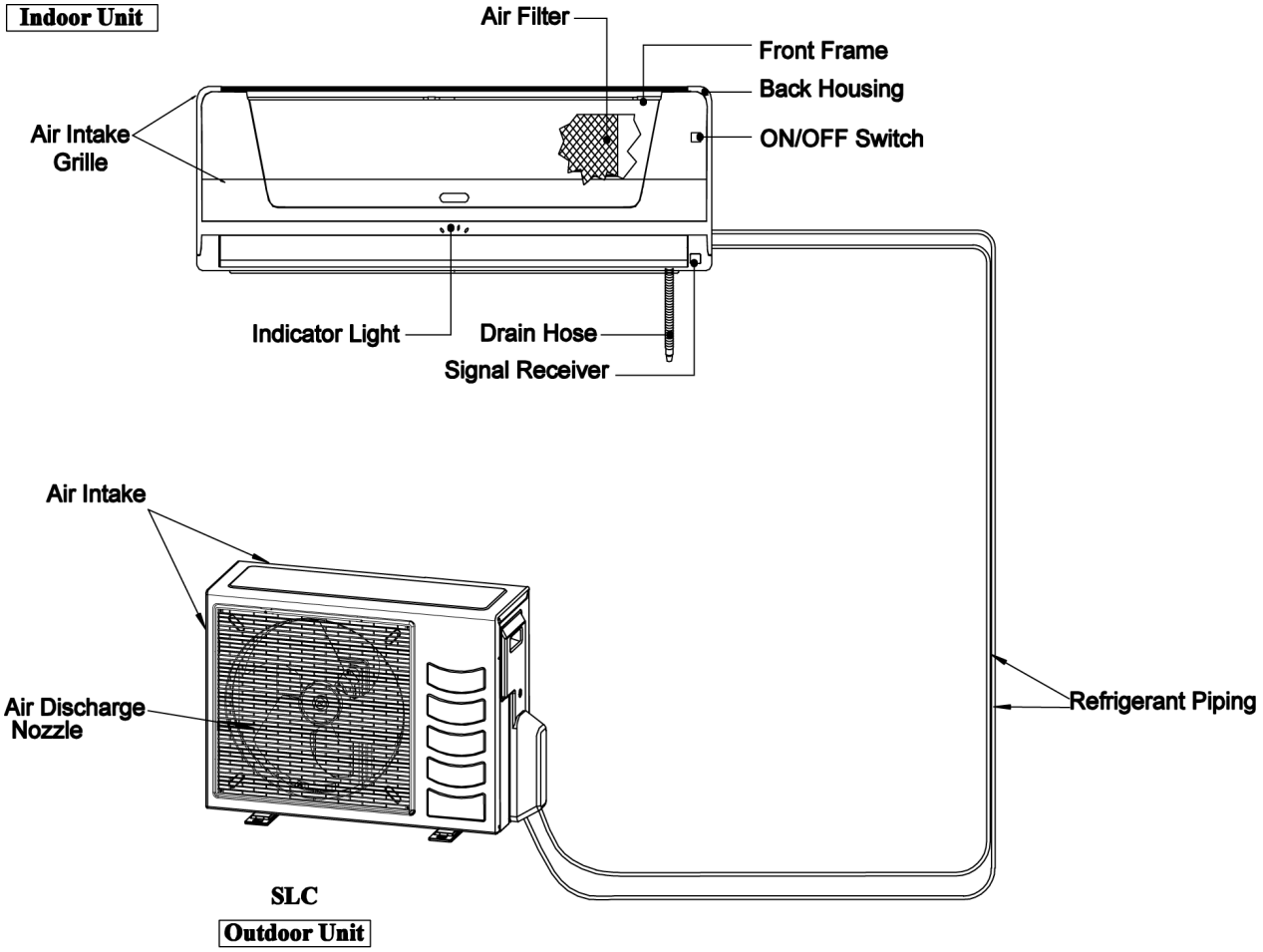
Disposal requirements

Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste.

Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation. Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

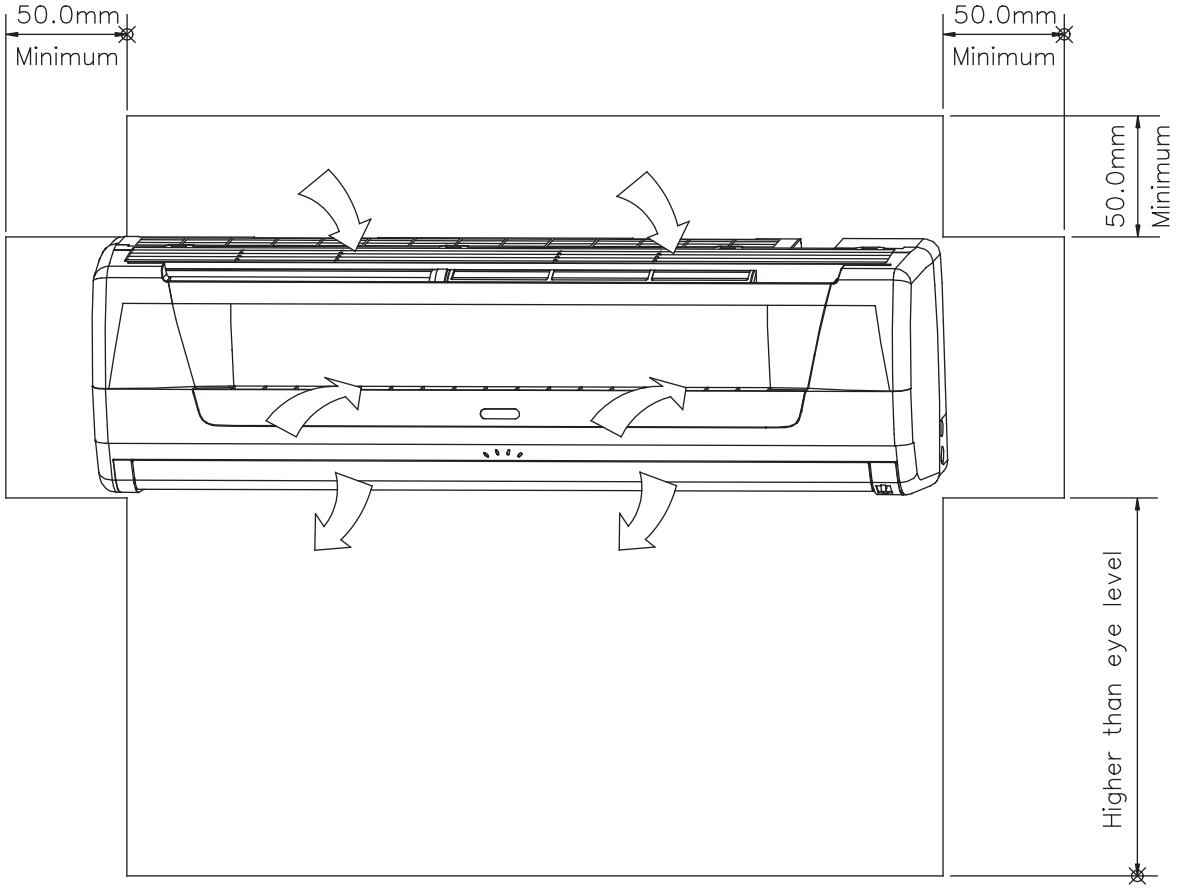
Installation Diagram



Location and Space

Indoor Unit
Wall Mounted

Install the fan coil (indoor) unit at a location with the following requirements
• Location is suitable for wiring, piping and drainage.
• No obstruction of air flow into and out of unit where cooler air can be evenly distributed.(See fig. 1)
• Ensure that air discharge is not short circuited with air intake.
• Ensure that wall is sufficiently strong, rigid, flat, perpendicular and vibration free.
• Where air filter cassette can be slides in or out easily.
• Where there is no danger of flammable gases.
• Where there is no direct sunlight on unit.
• Also to take into consideration a place for the installation of the Wireless LCD Remote Controller.



MAINTENANCE & SERVICING SPACE.

AIR FLOW DIRECTION Fig. 1

CAUTION :

- If the condensing unit is operated in an atmosphere containing oils (including machine oils), salt (coastal area), sulphide gas (near hot spring, oil refinery plant), such substances may lead to failure of the unit.
- If there is any obstacle higher than 2m, or if there is any obstruction at the upper part of the unit, please allow more space than the figure indicated in the above table.

Drilling Holes And Mounting Plate Installation

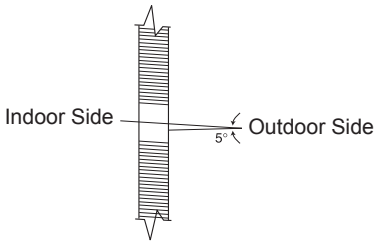
Cautions:

i) Please check the unit weight for each model. Always ensure that the wall is sufficiently strong to withstand the weight. If not, it is necessary to reinforce the wall with plate, beams or pillars.

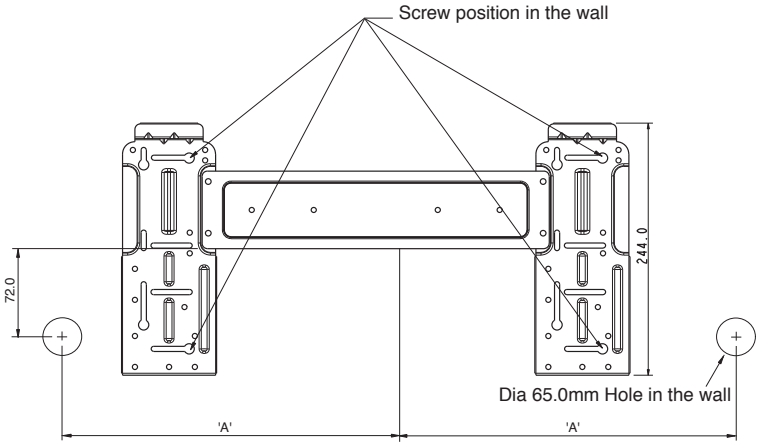
ii) The unit cannot be directly fixed onto the wall or the likes. In all cases, the installation plate provided MUST be used.

- Paste the installation plate provided on the desired location on the wall and marks the holes location accordingly.
- Ensure that the minimum maintenance and servicing space at the top, left and right side of the unit is reserved.
- Ensure also the levelness of the installation plate.
- Drill the screw mounting holes (minimum 4 screws are required).
- Drill the pipe hole at the location as per plan. (This is only applicable for rear piping outlet installation).

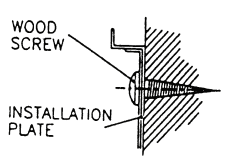
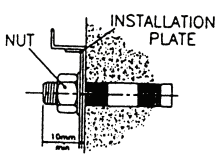
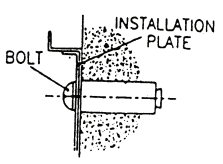
Note: The hole should be drilled slightly lower at outdoor side as per figure below:-



- Fix the installation plate firmly to wall, without tilting to left or right. Use a plumb line, if available.

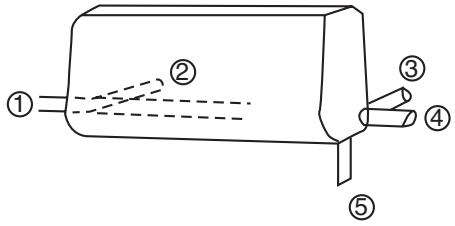


• Fixing methods:-

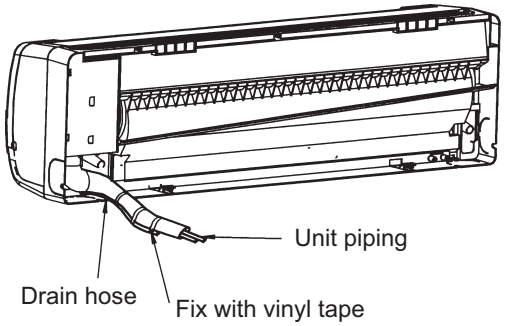
WOODEN	REINFORCED CONCRETE BUILDING	
	NUT ANCHOR	BOLT ANCHOR
		

Indoor Unit Preparation

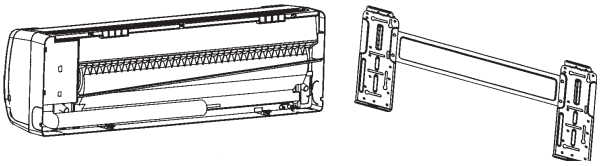
- The refrigerant piping can be routed to the unit in 5 directions, by using the cut outs in the unit casing.



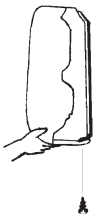
- Carefully bend the pipes to the required position to align with the hole. For right hand and rear side draw out, hold the bottom of the piping and fix direction before shaping it to the desired position. The condensation drain hose should be taped to the pipes with vinyl tape. The electrical cable can also be taped to the pipes.



Mounting Indoor Unit



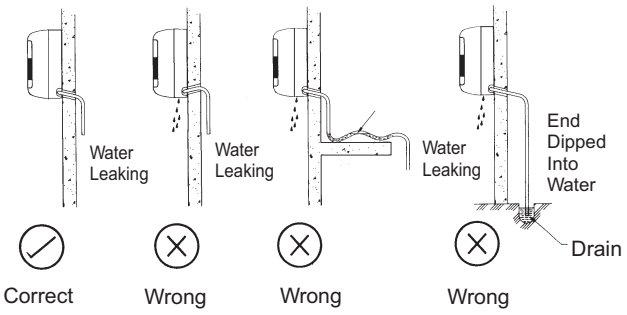
1. Hook the unit into the installation plate.



2. Fix the rivet underneath after completion of installation.

Water Drainage Piping

- The indoor drain pipe must be downward gradient for smooth drainage. Avoid situation as shown in figure below.

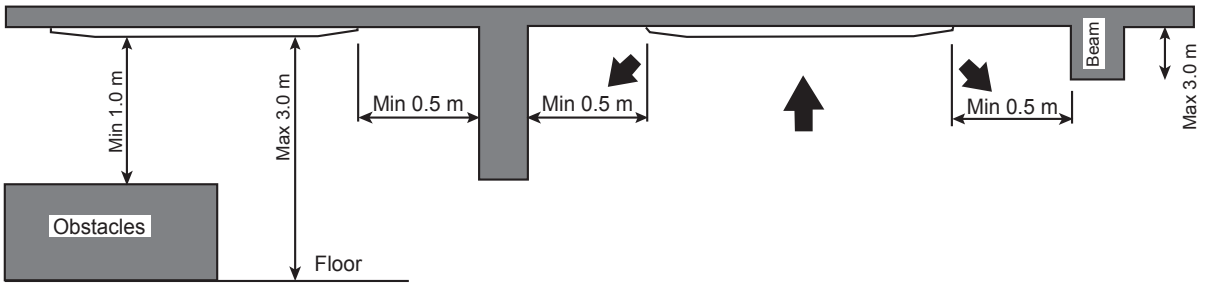


Indoor Unit

Ceiling Cassette

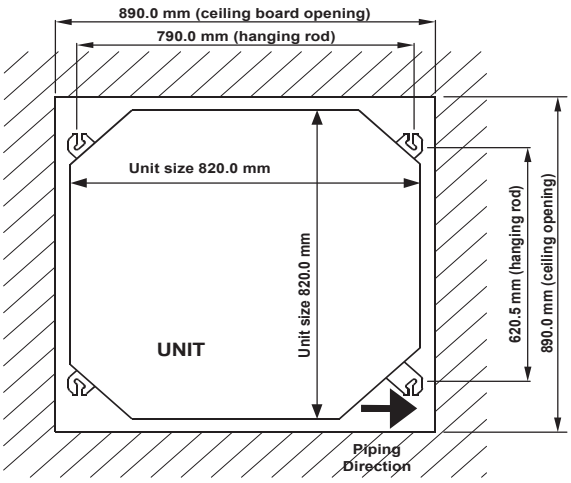
Preliminary Site Survey

- Electrical supply and installation is to confirm to local authority's (e.g. National Electrical Board) codes and regulations.
- Voltage supply fluctuation must not exceed ± 10% of rated voltage. Electricity supply lines must be independent of welding transformers which can cause high supply fluctuation.
- Ensure that the location is convenient for wiring, piping and drainage.
- The indoor unit must be installed in such that free from any obstacles in path of cool air discharge and warm air return, and must allow spreading or air throughout the room (near the centre of the room).
- Clearance must be provided for the indoor unit from the wall and obstacles as shown in the figure.

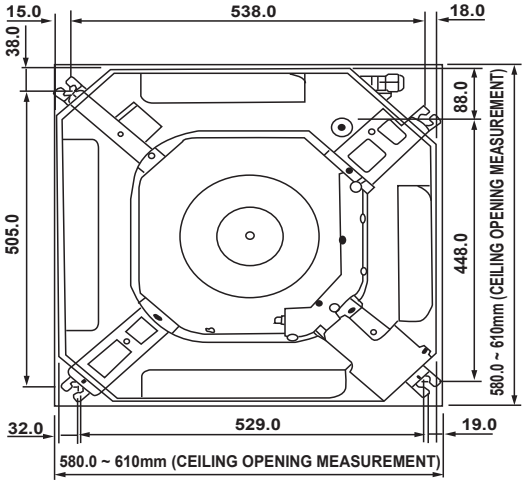


- The installation place must be strong enough to support a load of 4 times the indoor unit weight to avoid amplifying noise and vibration.
- The installation place (handling ceiling surface) must be level and the height in the ceiling is 350mm or more.

Unit Installation



M5CKX-A

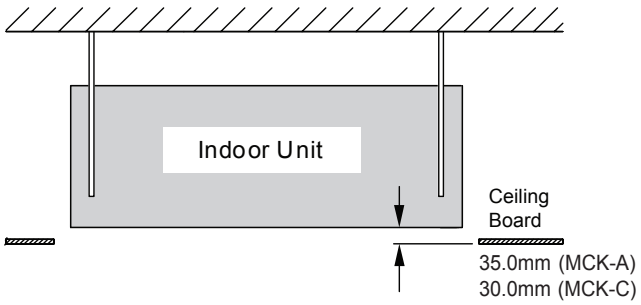


M5CKX-C

- The indoor unit must be away from heat and steam sources (avoid installing it near an entrance).
- Measure and mark the position for the hanging rod. Drill the hole for the angle nut on the ceiling and fix the hanging rod.
- The installation template is extended according to temperature and humidity. Check on dimensions in using.
- The dimensions of the installation template are same as those of the ceiling opening dimensions.
- Before ceiling laminating work is completed, be sure to fit the installation template to the indoor unit.

Note: Be sure to discuss the ceiling drilling work with the installers concerned.

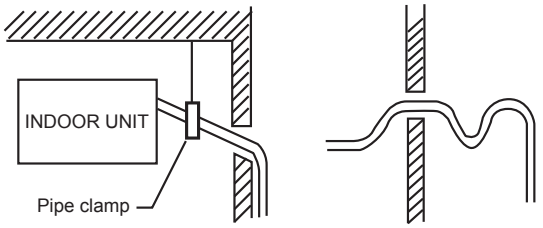
Unit Hanging



M5CKX-A/C

- Confirm the pitch of the hanging rod is 790.0mm X 620.5mm (M5CKX-A)
- Hold the unit and hand it on the hanging rod with the nut and washer.
- Adjust the unit height to 35.0mm between the indoor unit bottom surface and the ceiling surface.
- Confirm with a level gauge that the unit is installed horizontally and tighten the nut and bol to prevent unit falling and vibration.
- Open the ceiling board along the outer edge of the paper installation template.

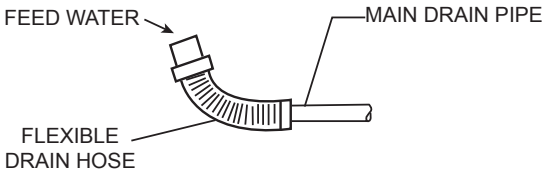
Drain Piping Work



Good **Bad**

- Drain pipe must be downward gradient for smooth drainage.
- Avoid the drain pipe from up and down slope to prevent reversal flow.
- During the drain pipe connection, be careful not to exert extra force on the drain connector at the indoor unit.
- The outside diameter of the drain connection at the flexible drain hose is 20mm.
- Be sure to provide heat insulation (polyethylene foam with thickness more than 8.0mm) on the drain piping to avoid the condensed water dripping inside the room.

Drain Test

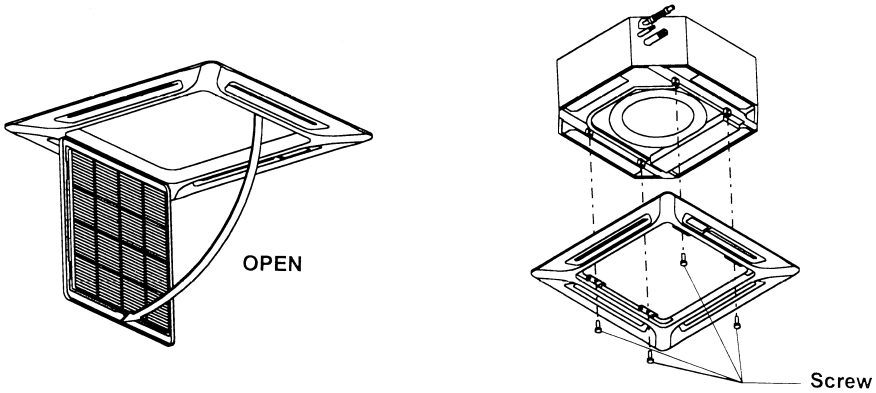


- Connect the main drain pipe to the flexible drain hose.
- Feed water from flexible drain hose and check the piping for leakage.
- When the test is completed, connect the flexible drain hose to the drain connector on the indoor unit.

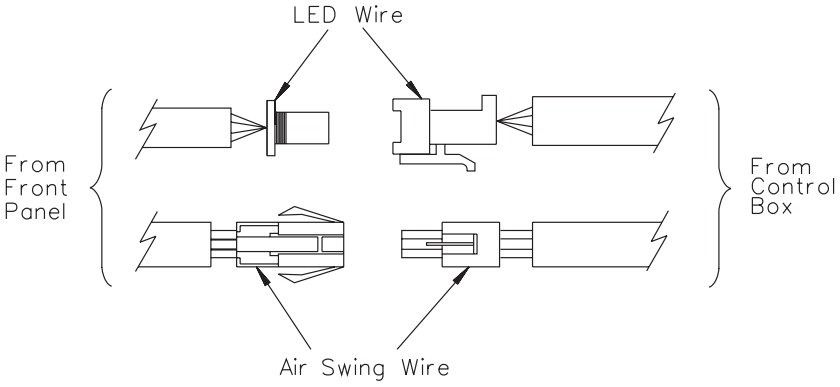
Note: This indoor unit use drain pump for condensed water drainage. Install the unit horizontally to prevent water leakage or condensation around the air outlet.

Panel Installation

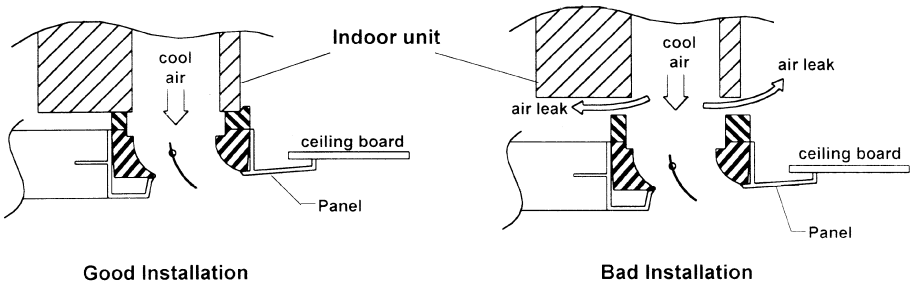
- The front panel can only be fitted in one direction, follow the piping direction. (Follow piping arrow sticker on the front panel).
- Be sure to remove the installation template before installing the front panel.



- Open the air intake grille by pulling back the catchers and remove it together with filter from panel.
- Install the front frame panel onto the indoor unit by using 4 screws and tighten it completely to prevent cool air leakage.
- Connect the LED wire and air swing wire to the indoor unit (Optional).



Note: Install the front frame panel firmly to prevent cool air leakage which will cause condensation and water dripping.



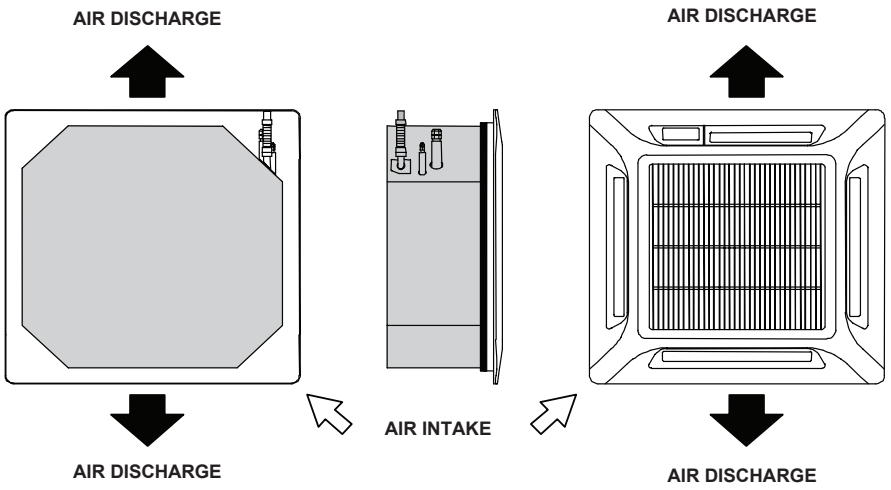
Short Duct Specification

Application for M5CKX-A Series only

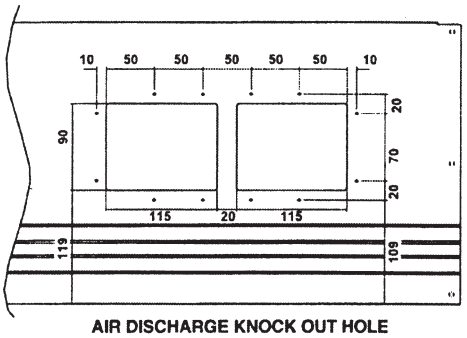
- The indoor unit is provided with air discharge and air intake “knock-out” hole for duct connection. However the connection of the short duct for air discharge is possible on only one side.

- The use of short duct for air discharge will improve air flow distribution if there is an obstruction (such as alighting fixture) or in a long, narrow room or an L-shaped room. It is also used for air-conditioning of two rooms simultaneously.

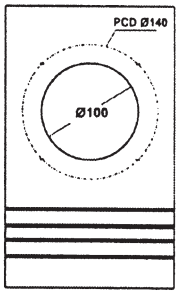
Possible Direction For Air Discharge and Air Intake



Possible Opening Dimension for Duct Connection



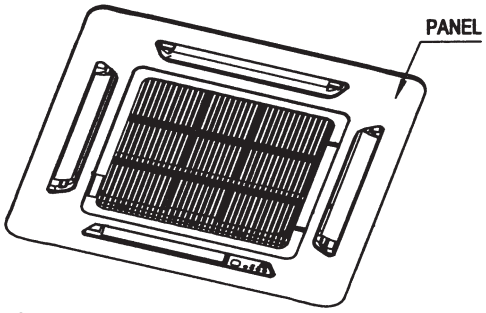
AIR DISCHARGE KNOCK OUT HOLE



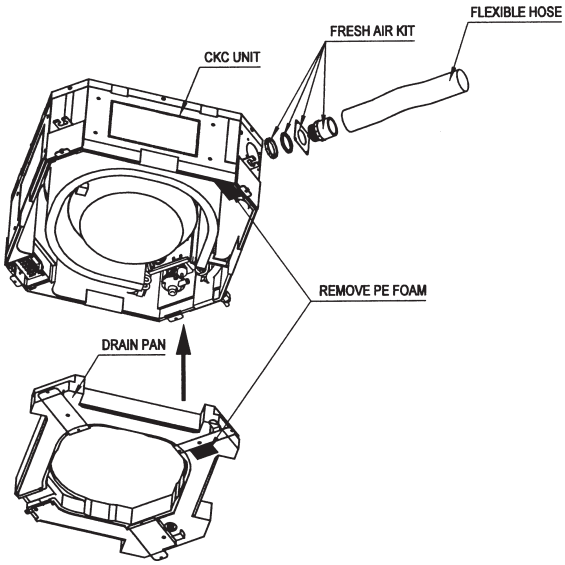
AIR INTAKE KNOCK OUT HOLE

Note:
1. Avoid to use the short duct on which the air discharge grille can be completely closed, to prevent evaporator freezing.
2. In order to prevent condensation forming, be sure that there is sufficient thermal insulation and no leakage of cool air when installing the short duct.
3. Keep the introduction of fresh air intake within 20% of total air flow. Also provide a chamber and use a booster fan.

Fresh Air Intake For M5CKX-C Unit



Take off the panel from the indoor unit



Remove the PE foam from the drain pan and another one on the unit.

Remove the pre-punched panel on the CKC unit with a screwdriver.

The diameter of the air intake knock out hole is 65mm.

Then, fix the fresh air kit (refer to parts list) to the hole. Finally, a flexible duct is connected to let the fresh air moving in.

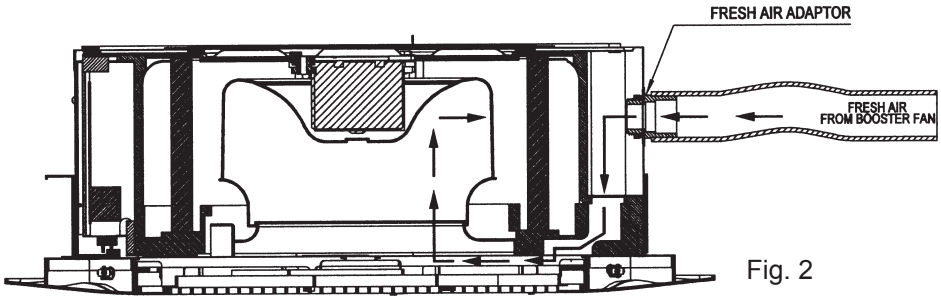


Fig. 2

The direction of the fresh air intake is shown as fig. 2.

Sealing Material

- It is possible to seal one of the four air discharge outlet (sealing two or more air discharge outlet could cause a malfunction).
- Remove the front panel and inserting the seal material into the air discharge outlet at the indoor unit to sealthe air outlet.
- The sealing material is the same length as the length air discharge outlet. If it is desired to seal the shorter air discharge outlet, cut the sealing material to shorten it.
- Push the sealing material in about 10mm beyond the bottom surface of the indoor unit so that it does not touch the air louver. Be sure not to push the sealing material in any farther than about 10mm.

Indoor Unit

Ceiling Convertible

Preliminary Site Survey

- Electrical supply and installation is to confirm to local authority's (e.g. National Electrical Board) codes and regulations.
- Voltage supply fluctuation must not exceed ± 10% of rated voltage. Electricity supply lines must be independent of welding transformers which can cause high supply fluctuation.
- Ensure that the location is convenient for wiring, piping and drainage.

Standard Mounting

Ensure that the overhead supports are strong enough to hold the weight of the unit. Position the hanger rods (wall mounting bracket for floor standing), and check for its alignment with the unit as shown in Fig. 3. Also,check that the hangers are secured and the base of the fan coil unit is leveled in both horizontal directions, taking into account the gradient for drainage flow as recommended in Figure B.

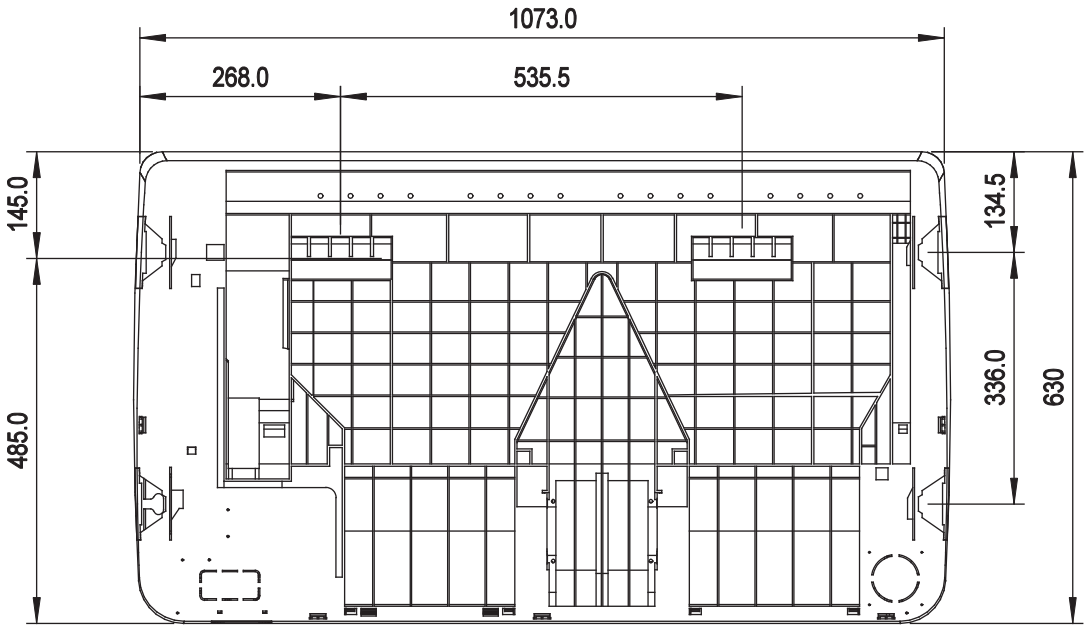


Fig. 3

Please ensure that the following steps are taken:
- Check the gradient for drainage flow as recommended in Figure H.
- Provide clearance for easy servicing and optimal air flow as shown in Figure I.
- The indoor unit must be installed such that there is no short circuit of the cool discharge air with the warm return air.
- Don not install the indoor unit where there is direct sunlight shining on the unit. The location should be suitable for piping and drainage installation. The unit must be a large distance away from the door.

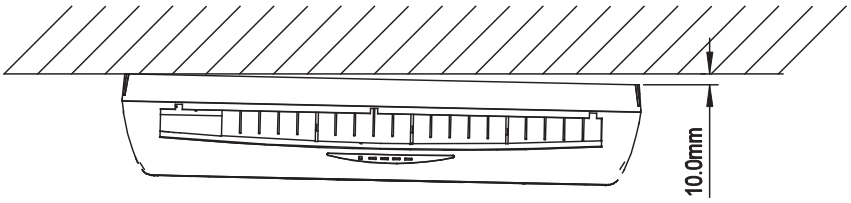
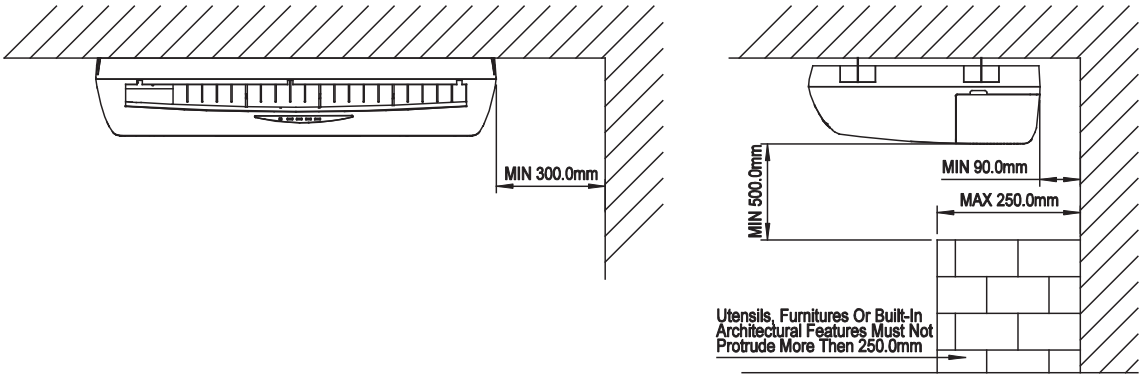
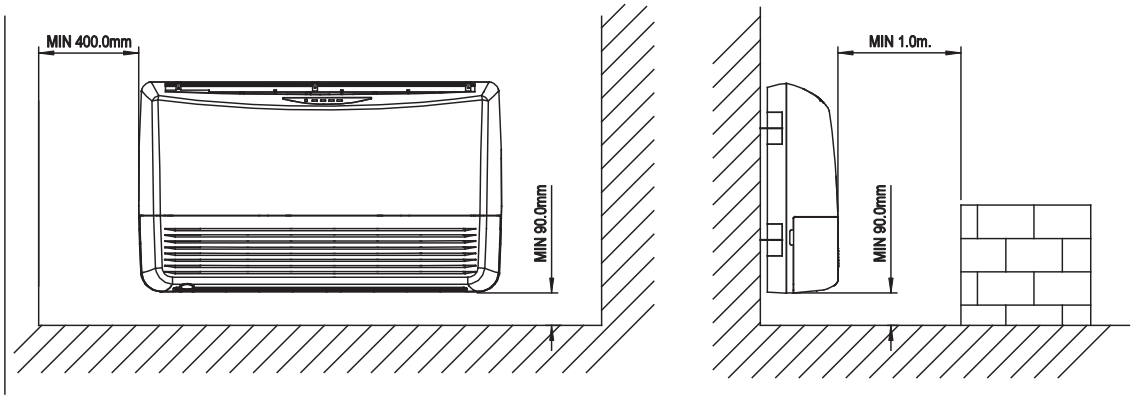


Fig.4



Under ceiling type



Floor standing type

Fig.5

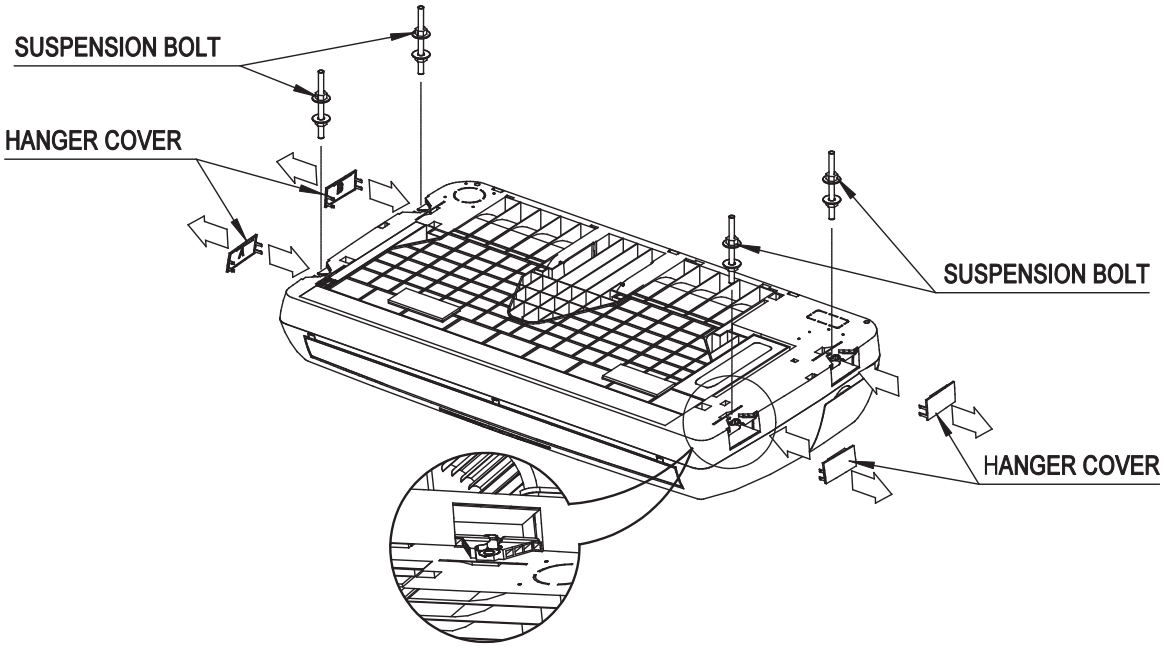
Under Ceiling Installation

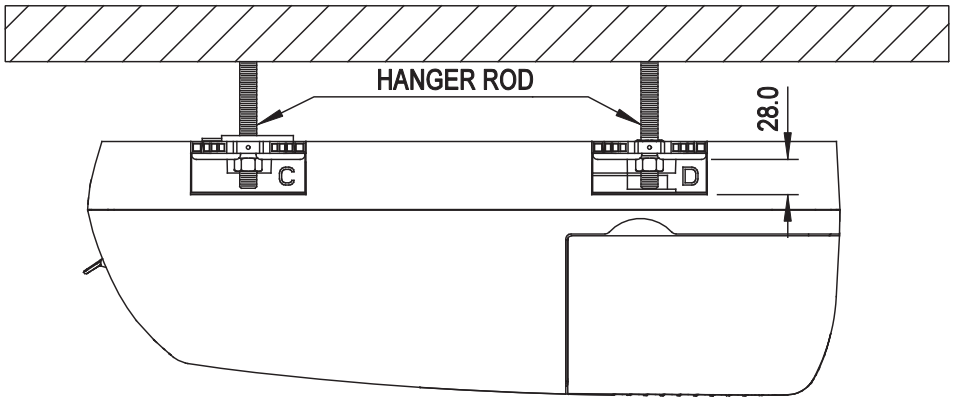
Install the Suspension Bolts

1. Install the suspension bolts so that it can support the indoor unit.
2. Adjust the distance to ceiling before installation.
3. Refer to the dimension given (Fig. 5) to install the unit.

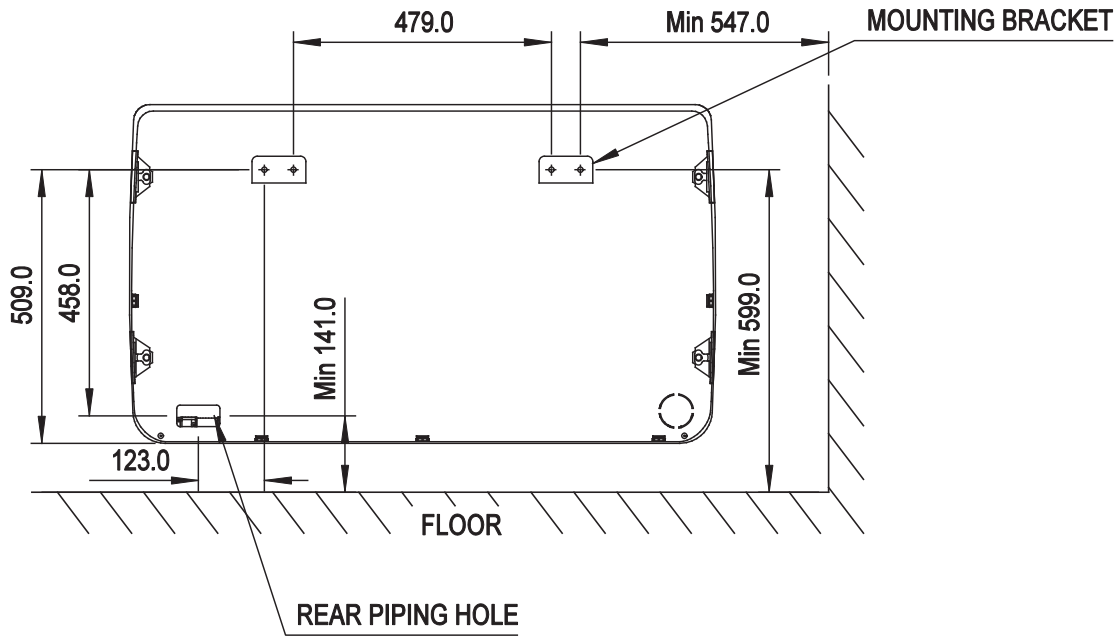
Install the Indoor Unit

1. Insert the suspension bolts into the fittings of the hanger bracket.
2. Set the nuts and washer on the both side of the metal fittings.
3. Secure it with nuts.
4. Attach the hanger cover (4 pcs) to the units.

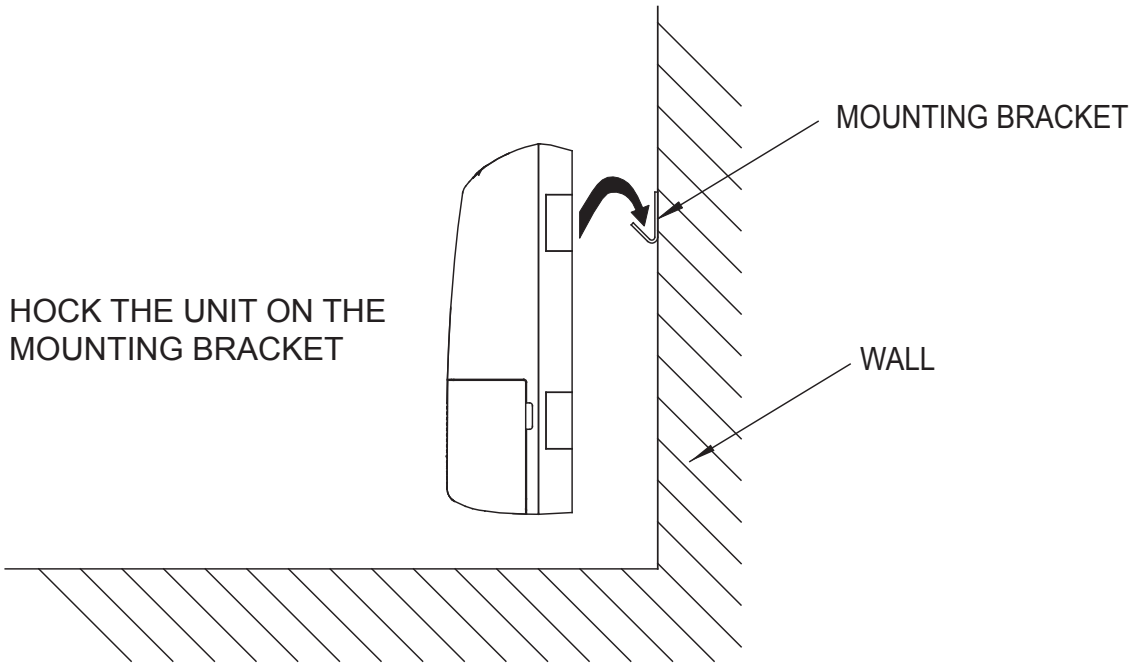




Floor Standing Installation



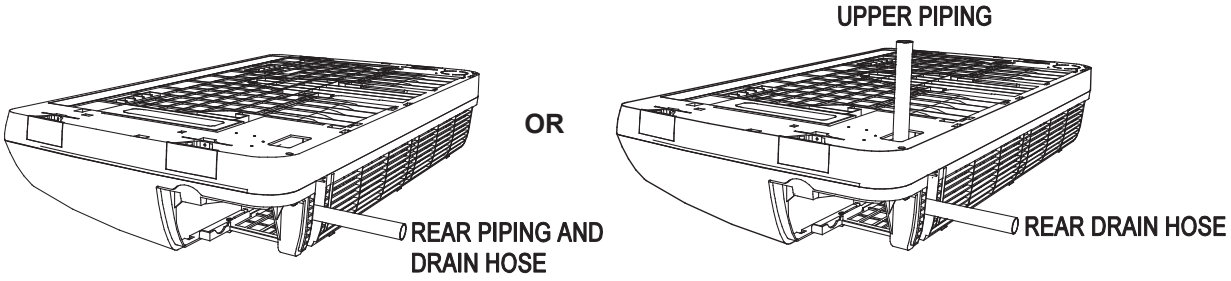
1. Refer to the dimension as illustrated when installing the mounting bracket.
2. Determine the pipe hose position using the rear piping hole. Drill the pipe hole at the slight downward slant to the outdoor side.



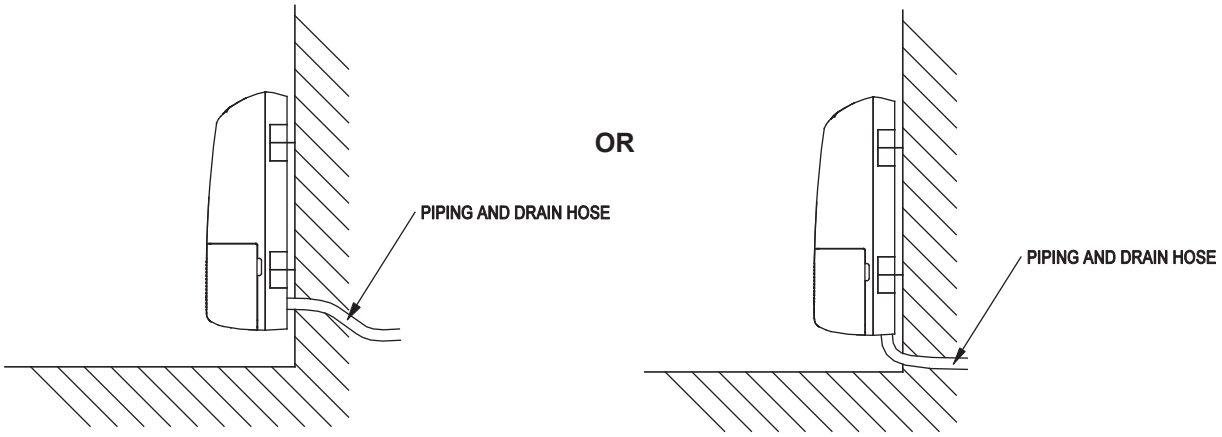
Piping and Drain Hose Installation

Under Ceiling Type

1. The piping direction can be 2 ways as illustrated.
2. The drain hose is only 1 way.

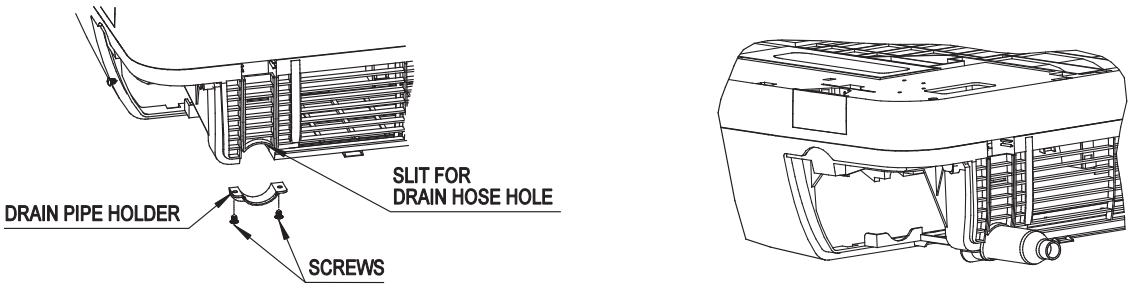


Floor Standing Type



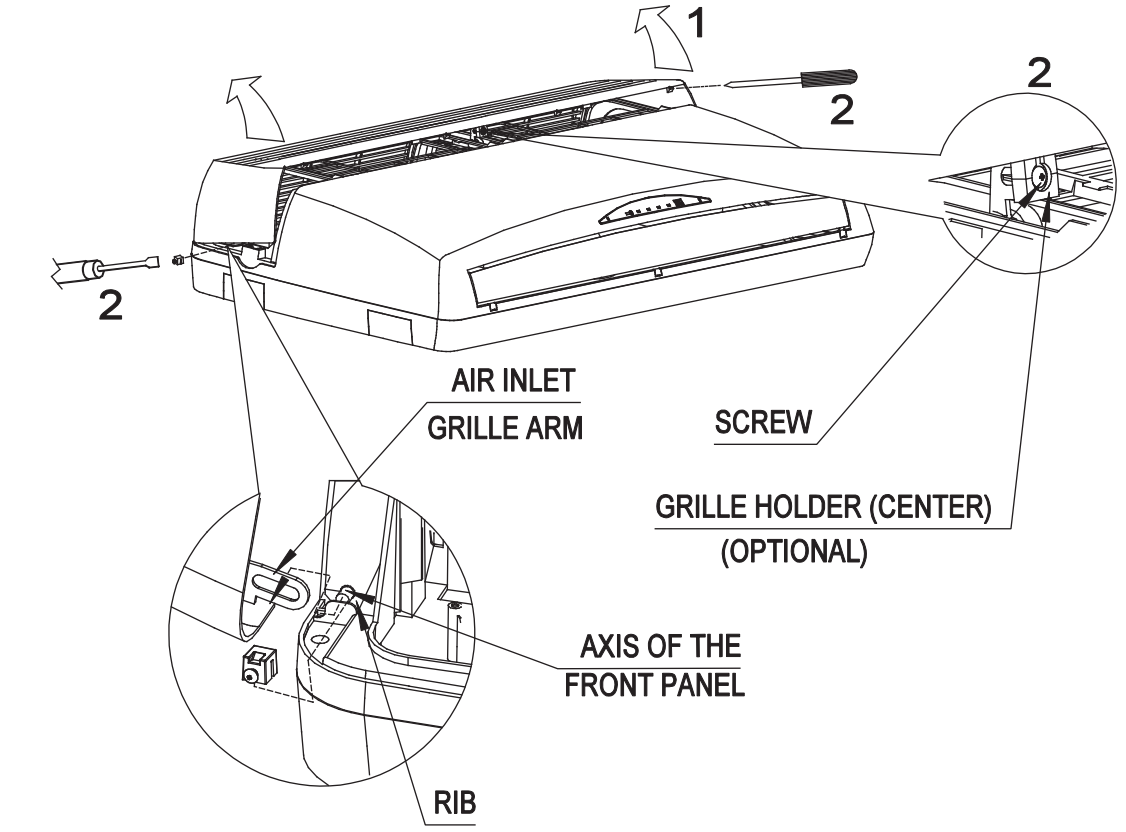
How to Install the Drain Hose

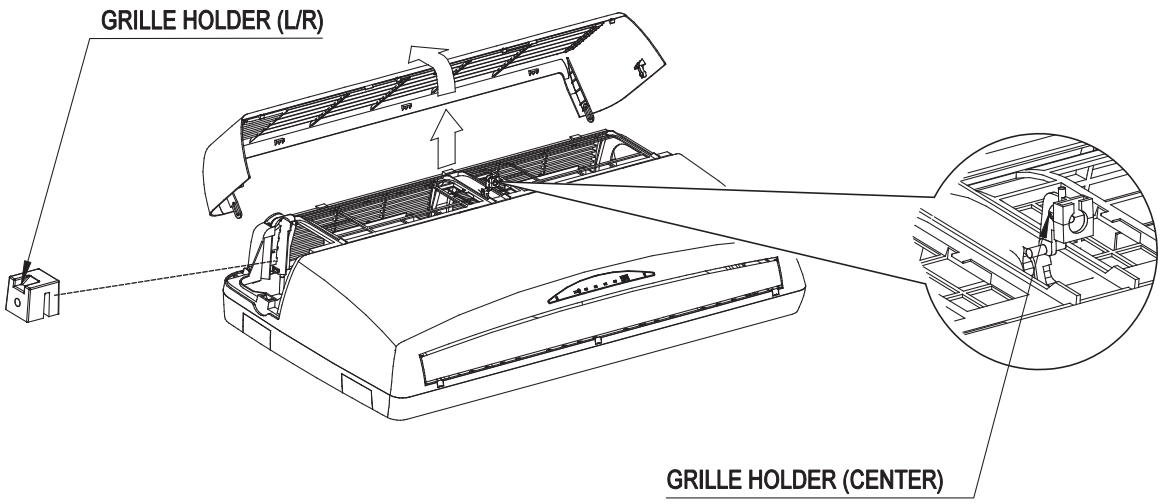
1. Remove the 2 screws and the drain pipe holder.
2. Cut a slit for the drain hose hole.
3. Place the drain hose on the v-shape area and secure it with drain pipe holder and 2 screws.



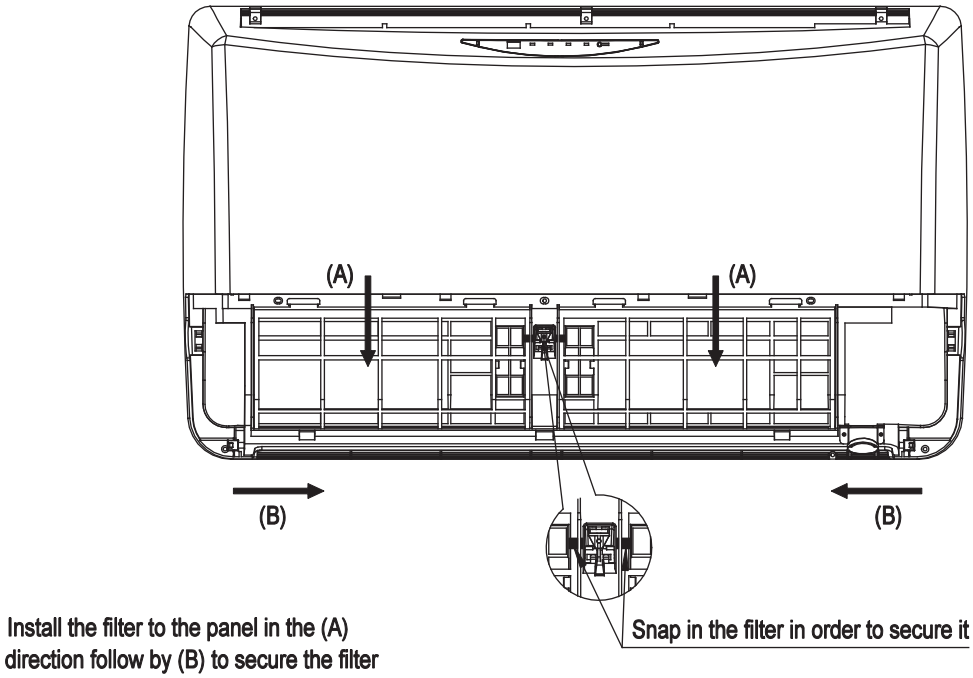
How to Remove the Air Inlet Grille

1. Remove the air inlet grille by both hands as the direction shown.
2. Loosen the screws for fixing the panel arm (3 screws – Left, Right and Center). Do not remove the screws at this time.
3. Move the air inlet grille upward, and then turn it backwards. (Do not use too much force).
4. Remove the grille holder (both left and right side). After that, remove the air intake grille.
5. Remove the grille holder (center) from the panel.





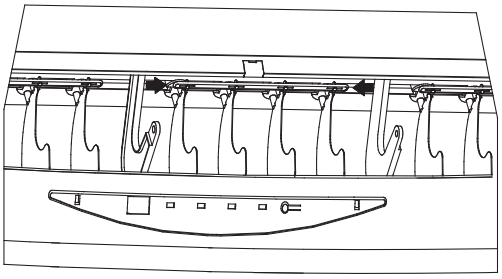
How to Install the Air Filter


(A)
(A)
(B)
(B)
Install the filter to the panel in the (A) direction follow by (B) to secure the filter
Snap in the filter in order to secure it

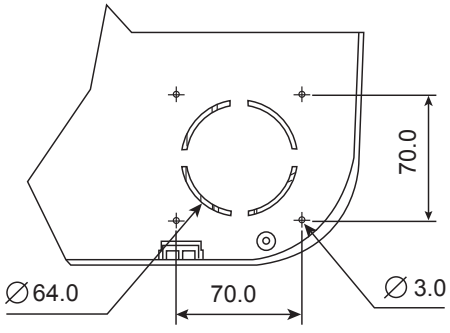
To Adjust the Vane Direction

Adjust the vane linkage as the direction shown to get the required vane direction.

ADJUST THE VANE LINKAGE AS THE DIRECTION SHOWN TO GET THE REQUIRED VANE DIRECTION



Dimension of the Fresh Air Intake Hole

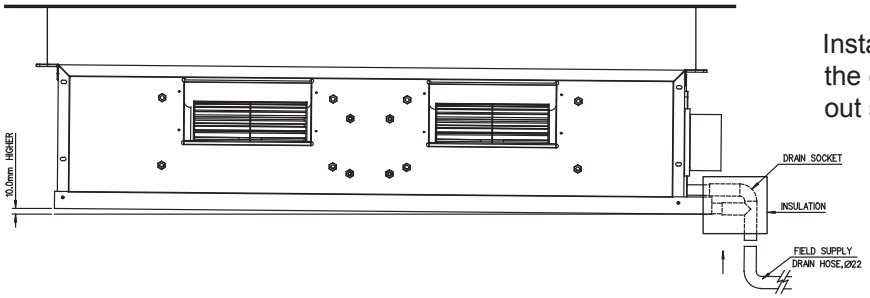


Indoor Unit

Ceiling Concealed

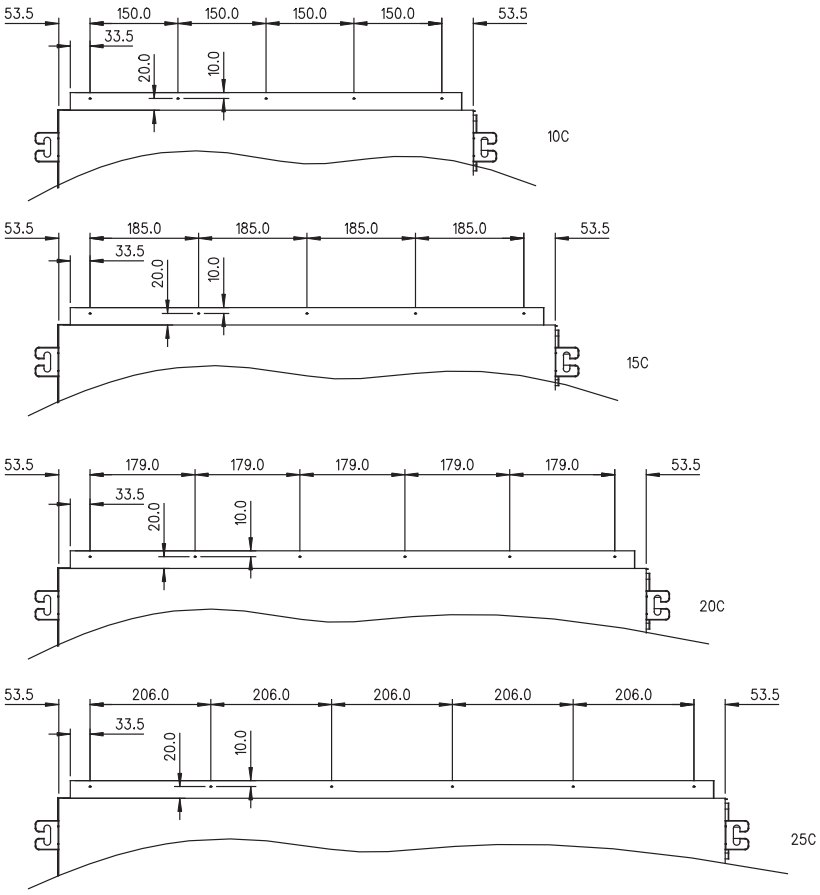
Preliminary Survey

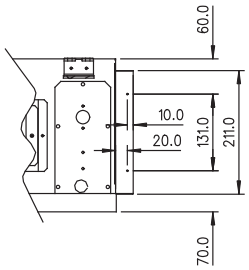
- Electrical supply and installation is to confirm to local authority's (e.g. National Electrical Board) codes and regulations.
- Voltage supply fluctuation must not exceed ± 10% of rated voltage. Electricity supply lines must be independent of welding transformers which can cause high supply fluctuation.
- Ensure that the location is convenient for wiring, piping and drainage.
- The indoor unit must be installed in such that free from any obstacles in path of cool air discharge and warm air return, and must allow spreading or air throughout the room (near the centre of the room).
- Clearance must be provided for the indoor unit from the wall and obstacles as shown in the figure.
- Use the hanger supplied with the unit.
- Ensure the support is strong enough to withstand the weight of the unit.
- Use the supplied drain socket to connect the drain pipe (the drain socket is only available for 10˚C to 25˚C)



Install the unit in such a way that the condensate water can flow out smoothly.

The diagrams below show the screws position for duct work connection.

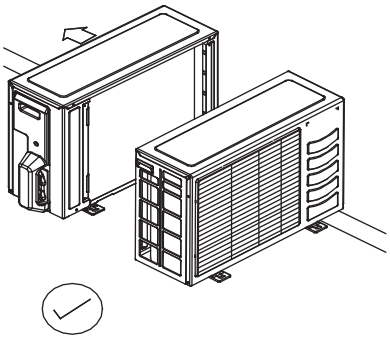


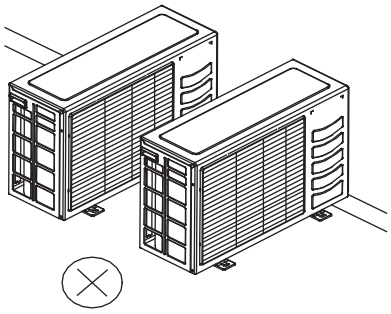


Outdoor Unit

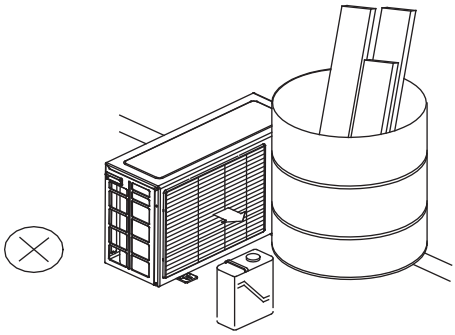
As condensing temperature rises, evaporating temperature rises and cooling capacity drops. In order to achieve maximum cooling capacity, the location selected for outdoor unit should fulfill the following requirements:

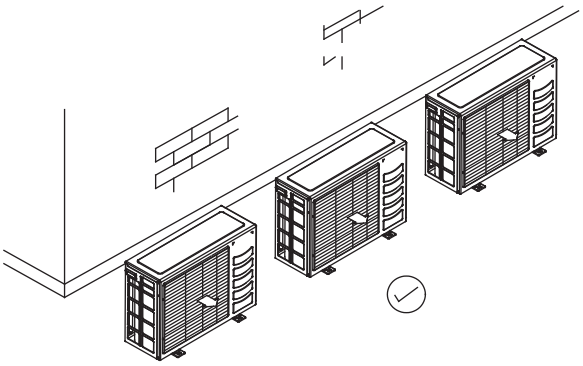
- Install the condensing (outdoor) unit in such a way that hot air distributed by the outdoor condensing unit cannot be drawn in again (as in the case of short circuit of hot discharge air). Allow sufficient space for maintenance around the unit.



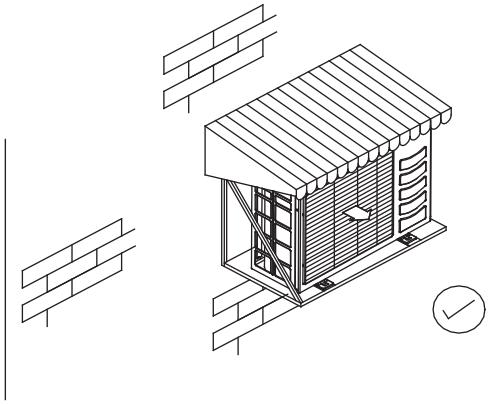


- Ensure that there is no obstruction of air flow into or out of the unit. Remove obstacles which block air intake or discharge.
- The location must be well ventilated, so that the unit can draw in and distribute plenty of air thus lowering the condensing temperature.





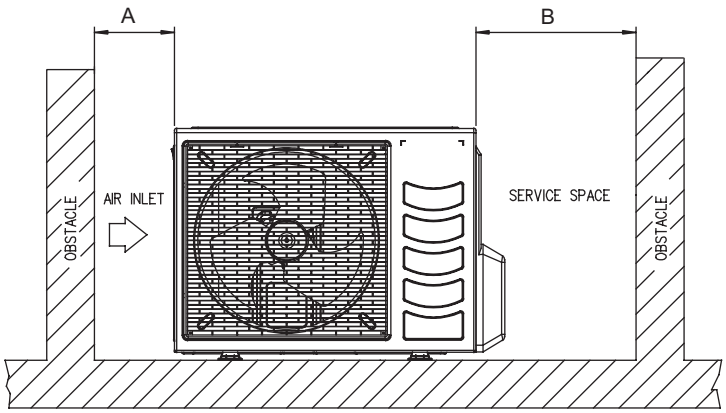
- A place capable of bearing the weight of the outdoor unit and isolating noise and vibration.
- A place protected from direct sunlight. Otherwise use an awning for protection, if necessary.



- The location must not be susceptible to dust or oil mist.

Installation Clearances

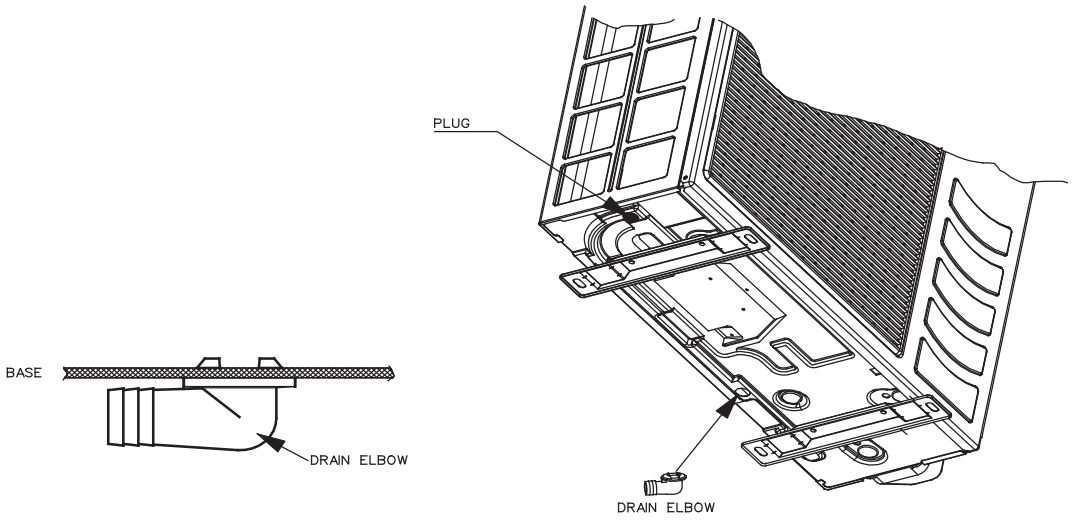
- Outdoor units must be installed such that there is no short circuit of the hot discharge air or obstruction to smooth air flow. Select the coolest possible place where intake air should not be hotter than the outside temperature.

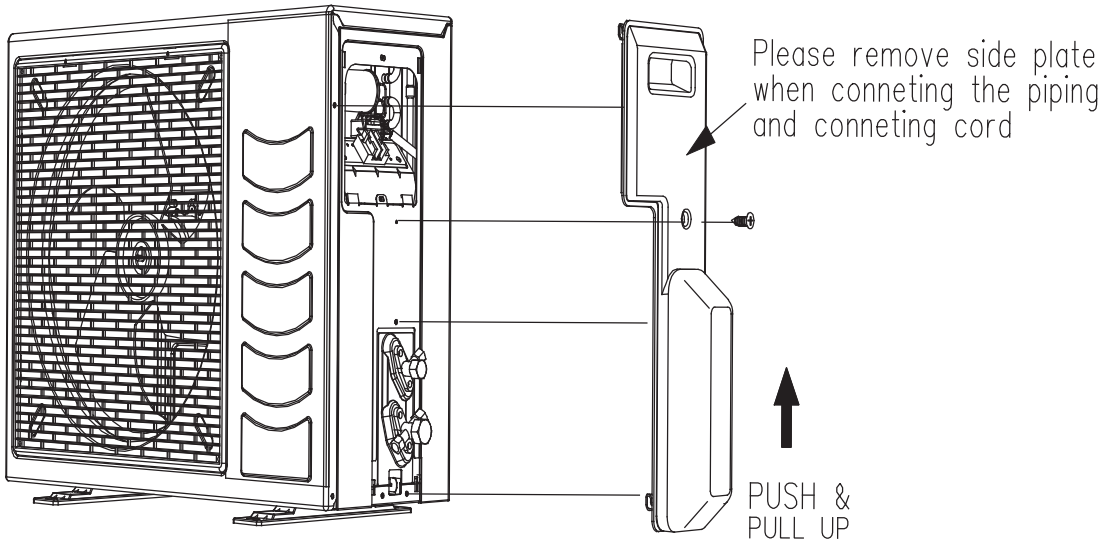


Dimension	A	B
Minimum distance mm/in	300/11.8	500/19.7

Condensed Water Disposal Of Outdoor Unit (Heat Pump Unit Only)

- There are 2 holes on the base of Outdoor Unit for condensed water to flow out. Insert the drain elbow to one of the holes.
- To install the drain elbow, first insert one portion of the hook to the base (portion A), then pull the drain elbow in the direction shown by the arrow while inserting the other portion to the base. After the installation, check to ensure that the drain elbow clings to base firmly.
- If the unit is installed in a snowy and chilly area, condensed water may freeze in the base. In such a case, please remove plug at the bottom of unit to smooth the drainage.



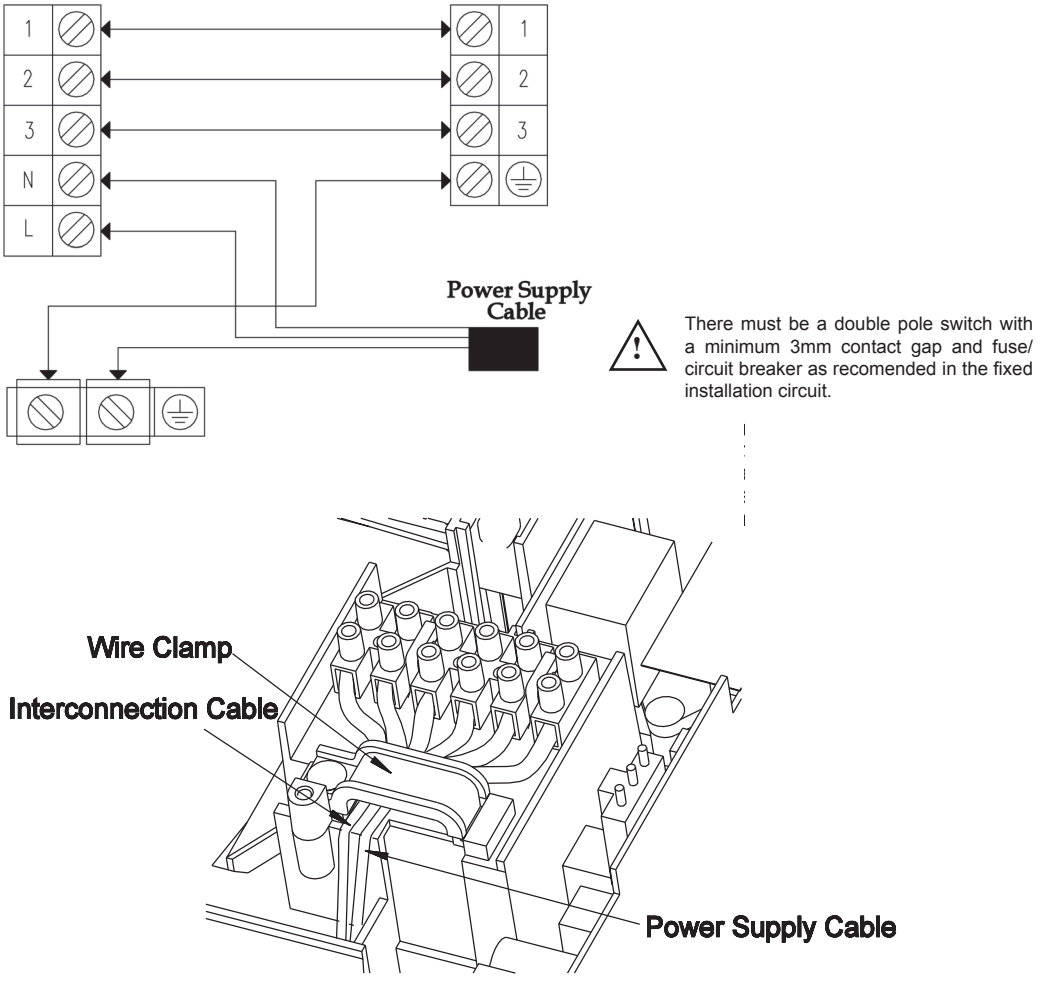


Wiring

Important: The figures shown in the table are for information purpose only. They should be checked and selected to comply with the local/national codes of regulations. This is also subject to the type of installation and conductors used.

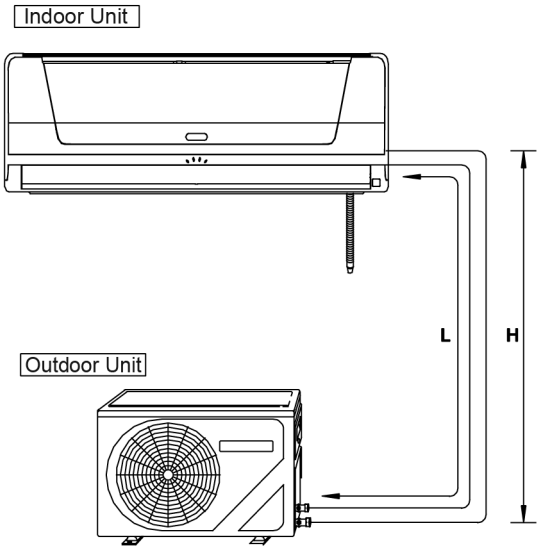
Model	M5LCX010/015C/CR	M5LCX020/025C/CR
Voltage range	220V-240V / 1 Ph / 50Hz + ⏚	
Power supply cable size (mm^2) Number of wire	1.5 3	2.5 3
Interconnection cable size (mm^2) Number of wire	1.5 3	2.5 3
Recommended time delay fuse (A)	15	20

- All wires must be firmly connected
- All wires must not touch the refrigerant piping, compressor or any moving parts of the fan motor.
- The connecting wires between the indoor unit and the outdoor unit must be clamped on the wire clamps as shown in the figure.
- The power supply cord must be equivalent to H05RN-F (245IEC57) which is the minimum requirement.



Refrigerant Piping

A) A maximum pipe length and maximum number of bends



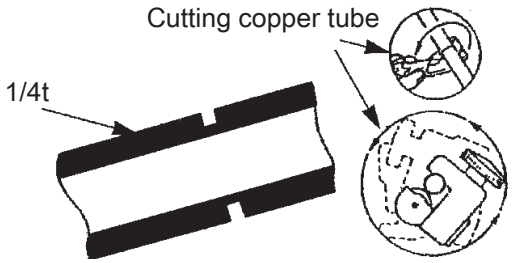
Always choose the shortest path for refrigerant piping and follow the recommendation as tabulated below:

Model	M5LCX010C/CR	M5LCX015C/CR	M5LCX020C/CR	M5LCX025C/CR
Maximum length, L (m/ft)	15/49	15/49	30/98	30/98
Max. elevation, H (m/ft)	5/16.4	5/16.4	8/26.2	8/26.2
Max. number of 90° bends	10	10	10	10
Liquid pipe size	1/4”	1/4”	1/4”	1/4”
Gas pipe size	3/8”	1/2”	1/2”	5/8”

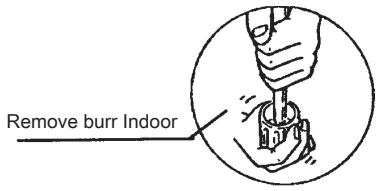
Remarks: The refrigerant pre-charged in the outdoor unit is for piping length up to 7.62m/25ft.

B) Flare Connection

- Cut the pipe stages by stages, advancing the blade of pipe cutter slowly.

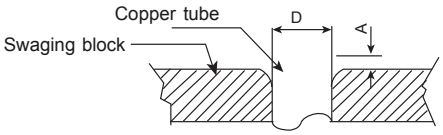


- Remove burr with the burr remover. Hold the flaring end down to prevent burrs from dropping inside pipe.



- The exact length of pipe protruding from the face of the flare die is determined by the flaring tool. The table shows the use of an imperial die and rigid die.

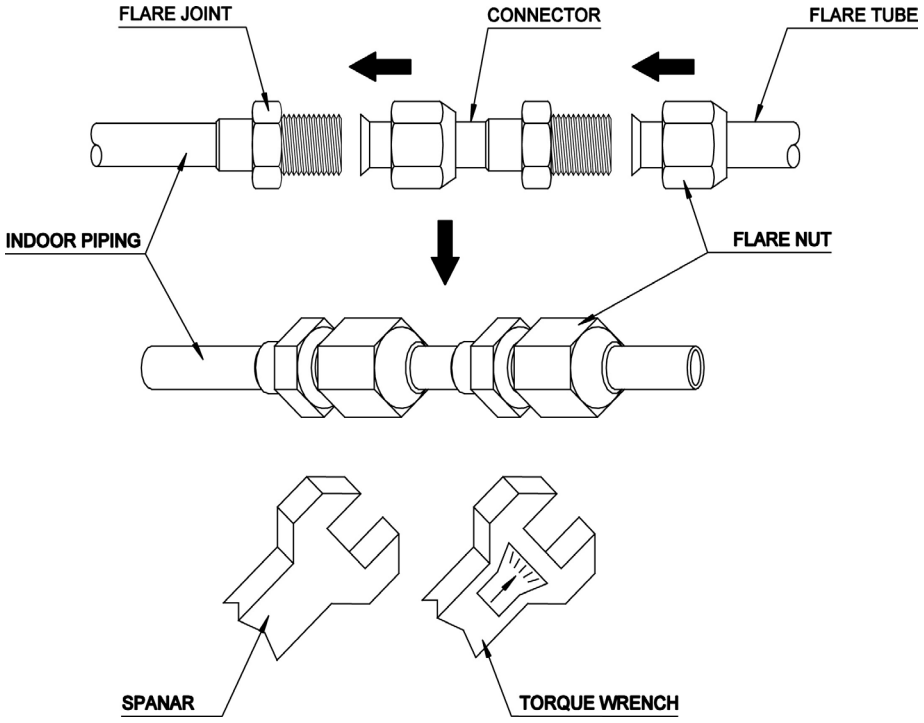
Pipe Ø, D (mm/in)	A (mm)	
	Imperial	Rigid
6.35 / 1/4”	1.3	0.7
9.52 / 3/8”	1.6	1.0
12.70 / 1/2”	1.9	1.3
15.88 / 5/8”	2.2	1.7
19.05 / 3/4”	2.5	2.0



Fix the pipe firmly on the flare die. Match the centers of both the flare die and the flaring punch, and tighten flaring punch fully.

C) Piping Connection To The Units

- Align the center of the piping and tighten the flare nut sufficiently with fingers
- Finally, tighten the flare nut with the torque wrench until the wrench clicks.



Special Precautions for R410A

Special Precautions When Dealing With Refrigerant R410A Unit

(1) What is new refrigerant R410A?
R410A is a new HFC refrigerant which does not damage the ozone layer. The working pressure of this new refrigerant is 1.6 times higher than conventional refrigerant (R22), thus proper installation / servicing is essential.

(2) Components
Mixture weight composition R32(50%) and R125(50%)

(3) Characteristic
- R410A liquid and vapor components have different compositions when the □uid evaporates or condenses. Hence, when leak occurs and only vapor leaks out, the composition of the refrigerant mixture left in the system will change and subsequently affect the system performance. DO NOT add new refrigerant to leaked system. It is recommended that the system should be evacuated thoroughly before recharging with R410A.
- When refrigerant R410A is used, the composition will differ depending on whether it is in gaseous or liquid phase. Hence when charging R410A, ensure that only liquid is being withdrawn from the cylinder or can. This is to make certain that only original composition of R410A is being charged into the system.
- POE oil is used as lubricant for R410A compressor, which is different from the mineral oil used for R22 compressor. Extra precaution must be taken not to expose the R410A system too long to moist air.

(4) Check list before installation / servicing
- Tubing
  Refrigerant R410A is more easily affected by dust of moisture compared with R22, make sure to temporarily cover the ends of the tubing prior to installation.
- Compressor oil
  No additional charge of compressor oil is permitted.
- Refrigerant
  No other refrigerant other that R410A
- Tools (size of service port is different from R22 system)
  Tools speci□cally for R410A only (must not be used for R22 or other refrigerant)
  i) Gauge manifold and charging hose
  ii) Gas leak detector
  iii) Refrigerant cylinder/charging cylinder
  iv) Vacuum pump c/w adapter
  v) Flare tools
  vi) Refrigerant recovery machine

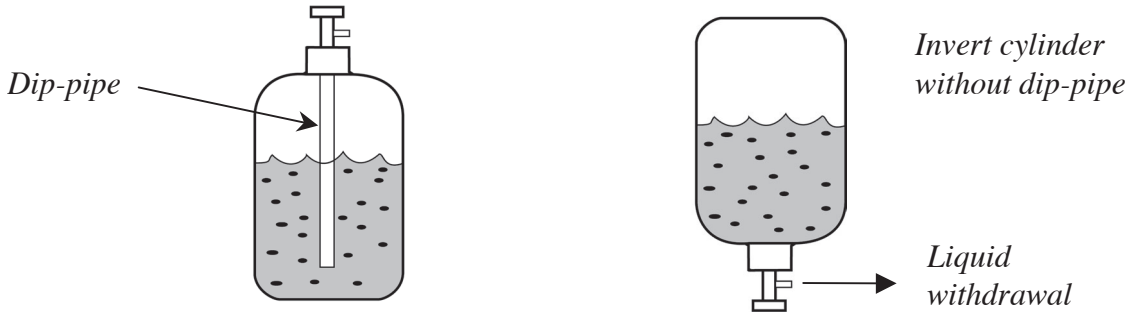
(5) Handling and installation guidelines
Like R22 system, the handling and installation of R410A system are closely similar. All precautionary measures; such as ensuring no moisture, no dirt or chips in the system, clean brazing using nitrogen, and thorough leak check and vacuuming are equally important requirements. However, due to its hydroscopic POE oil, additional precautions must be taken to ensure optimum and trouble free system operation.

(a) During installation or servicing, avoid prolong exposure of the internal part of the refrigerant system to moist air. Residual POE oil in the piping and components can absorb moisture from the air.

(b) Ensure that the compressor is not exposed to open air for more than the recommended time speci□ed by its manufacturer (typically less than 10 minutes). Removed the seal plugs only when the compressor is about to be brazed.

(c) The system should be thoroughly vacuumed to 1.0 Pa (700mmHg) or lower. This vacuuming level is more stringent than R22 system so as to ensure no incompressible gas and moisture in the system.

(d) When charging R410A, ensure that only liquid is being withdrawn from the cylinder or can. This is to ensure that only the original composition of R410A is being delivered into the system. The liquid composition can be different from the vapor composition.



(e) Normally, the R410A cylinder or can is being equipped with a dip pipe for liquid withdrawal. However, if the dip pipe is not available, invert the cylinder or can so as to withdraw liquid from the valve at the bottom.

Vacuuming And Charging

Purging The Piping And The Indoor Unit

Except for the outdoor unit which is pre-charged with refrigerant, the indoor unit and the refrigerant connection pipes must be air-purged because the air containing moisture that remains in the refrigerant cycle may cause malfunction of the compressor.

- Remove the caps from the valve and the service port.
- Connect the center of the charging gauge tothe vacuum pump.
- Connect the charging gauge to the service portof the 3-way valve.
- Start the vacuum pump. Evacuate for approximately 30 minutes. The evacuation time varies with different vacuum pump capacity.Confirm that the charging gauge needle has moved towards -760mmHg.

Caution

- If the gauge needle does not move to -760mmHg, be sure to check for gas leaks (using the refrigerant detector) at flare type connection of the indoor and outdoor unit and repair the leak before proceeding to the next step.
- Close the valve of the charging gauge and stopthe vacuum pump.
- On the outdoor unit, open the suction valve (3way) and liquid valve (2 way) (in anti-clockwise direction) with 4mm key for hexagon sacked screw.

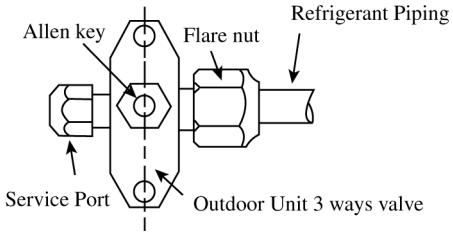
Additional charge

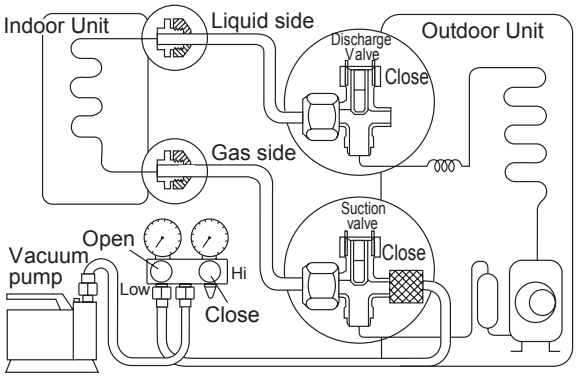
The refrigerant is pre-charged in the outdoor unit. If the piping length is less than 7.62m (25ft), then additional charge after vacuuming is not necessary. If the piping length is more than 7.62m (25ft), then use the additional charge value as indicated in the table.

Charge operation

This operation must be done by using a gas cylinderand a precise weighing machine. The additional charge is topped up into the outdoor unit using thesuction valve via the service port.

- Remove the service port cap
- Connect the low pressure side of the charging gauge to the suction service port center of the cylinder tank and close the high pressure side of the gauge. Purge the air from the service hose.
- Start the air conditioner unit.
- Open the gas cylinder and low pressure charging valve.
- When the required refrigerant quantity is pumped into the unit, close the low pressure side and the gas cylinder valve.
- Disconnect the service hose from service port. Put back the service port cap.

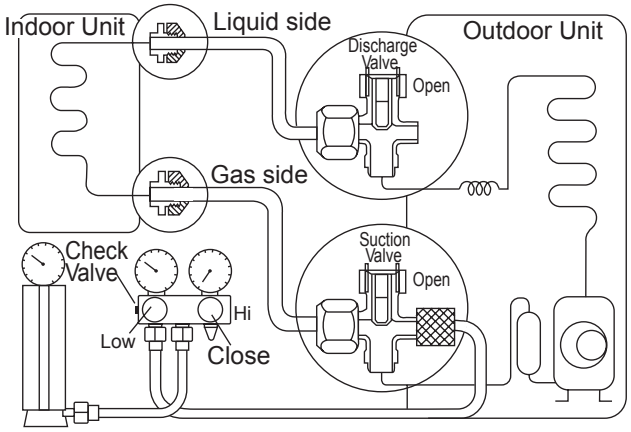




Additional Charge Per Meter

Model	R410A
M5LCX010/015/020/025C/CR	19.5 g/m

The additional refrigerant charge amount recommended is a guideline for long piping application. The actual charge required may be different from the guideline due to different application and variation in site condition



Engineering and Physical Data

General Data - Cooling Only

MODEL		OUTDOOR UNIT			M5LCX010C	M5LCX015C
		INDOOR UNIT			M5WMX010G	M5WMX015G
NOMINAL CAPACITY				Btu/h	9000	12000
				W	2638	3517
NOMINAL TOTAL INPUT POWER				W	780	1095
NOMINAL RUNNING CURRENT				A	3.80	5.40
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.40	3.21
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	AIR FLOW	HIGH		l/s / CFM	142 / 300	156 / 330
		MEDIUM		l/s / CFM	118 / 250	123 / 260
		LOW		l/s / CFM	94 / 200	99 / 210
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 35 / 30	39 / 36 / 31
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	957 / 37.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	9.5 / 20.9	9.5 / 20.9
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63	16 / 0.63
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	52
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.89 / 1.87	0.90 / 1.98

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only

MODEL		OUTDOOR UNIT			M5LCX020C	M5LCX025C
		INDOOR UNIT			M5WMX020G	M5WMX025G
NOMINAL CAPACITY				Btu/h	18000	21000
				W	5275	6155
NOMINAL TOTAL INPUT POWER				W	1632	1991
NOMINAL RUNNING CURRENT				A	7.90	11.30
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.23	3.09
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	AIR FLOW	HIGH		l/s / CFM	260 / 550	297 / 630
		MEDIUM		l/s / CFM	208 / 440	236 / 500
		LOW		l/s / CFM	175 / 370	198 / 420
	SOUND PRESSURE LEVEL (H/M/L)			dBA	44 / 40 / 35	49 / 43 / 40
	UNIT DIMENSION	HEIGHT		mm/in	304 / 12	304 / 12
		WIDTH		mm/in	1062 / 41.8	1062 / 41.8
		DEPTH		mm/in	220 / 87	220 / 8.7
	PACKING DIMENSION	HEIGHT		mm/in	378 / 14.9	378 / 14.9
		WIDTH		mm/in	1130 / 44.5	1130 / 44.5
		DEPTH		mm/in	292 / 11.5	292 / 11.5
	UNIT WEIGHT			kg/lb	15 / 33.1	15 / 33.1
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.79	20 / 0.79
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500	755 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	750 / 29.5	750 / 29.5
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.87	1.40 / 3.09

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (With Torque Control)

MODEL		OUTDOOR UNIT			M5LCX010C	M5LCX015C
		INDOOR UNIT			M5WMX010G	M5WMX015G
NOMINAL CAPACITY				Btu/h	9000	12000
				W	2784	3517
NOMINAL TOTAL INPUT POWER				W	820	1100
NOMINAL RUNNING CURRENT				A	3.80	5.30
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.40	3.19
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	AIR FLOW	HIGH		l/s / CFM	142 / 300	156 / 330
		MEDIUM		l/s / CFM	118 / 250	123 / 260
		LOW		l/s / CFM	94 / 200	99 / 210
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 35 / 30	39 / 36 / 31
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	957 / 37.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	9.5 / 20.9	9.5 / 20.9
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63	16 / 0.63
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	52
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.80 / 1.76	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
		INDOOR UNIT			M5WMX010GR	M5WMX015GR
NOMINAL COOLING CAPACITY				Btu/h	9000	12000
				W	2638	3517
NOMINAL HEATING CAPACITY				Btu/h	11500	14000
				W	3370	4103
NOMINAL TOTAL INPUT POWER (COOLING)				W	780	1095
NOMINAL TOTAL INPUT POWER (HEATING)				W	980	1270
NOMINAL RUNNING CURRENT (COOLING)				A	3.80	5.40
NOMINAL RUNNING CURRENT (HEATING)				A	4.80	6.30
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.40	3.21
COP				W/W	3.62	3.61
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	AIR FLOW	HIGH		l/s / CFM	142 / 300	156 / 330
		MEDIUM		l/s / CFM	118 / 250	123 / 260
		LOW		l/s / CFM	94 / 200	99 / 210
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 35 / 30	39 / 36 / 31
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	957 / 37.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	9.5 / 20.9	9.5 / 20.9
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63	16 / 0.63
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	52
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.89 / 1.87	0.90 / 1.98

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
		INDOOR UNIT			M5WMX020GR	M5WMX025GR
NOMINAL COOLING CAPACITY				Btu/h	18000	21000
				W	5275	6155
NOMINAL HEATING CAPACITY				Btu/h	19000	22000
				W	5568	6448
NOMINAL TOTAL INPUT POWER (COOLING)				W	1632	1991
NOMINAL TOTAL INPUT POWER (HEATING)				W	1631	2013
NOMINAL RUNNING CURRENT (COOLING)				A	7.90	11.30
NOMINAL RUNNING CURRENT (HEATING)				A	8.00	11.80
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.23	3.09
COP				W/W	3.41	3.20
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	AIR FLOW	HIGH		l/s / CFM	260 / 550	297 / 630
		MEDIUM		l/s / CFM	208 / 440	236 / 500
		LOW		l/s / CFM	175 / 370	198 / 420
	SOUND PRESSURE LEVEL (H/M/L)			dBA	44 / 40 / 35	49 / 43 / 40
	UNIT DIMENSION	HEIGHT		mm/in	304 / 12	304 / 12
		WIDTH		mm/in	1062 / 41.8	1062 / 41.8
		DEPTH		mm/in	220 / 8.7	220 / 8.7
	PACKING DIMENSION	HEIGHT		mm/in	378 / 14.9	378 / 14.9
		WIDTH		mm/in	1130 / 44.5	1130 / 44.5
		DEPTH		mm/in	292 / 11.5	270 / 10.6
	UNIT WEIGHT			kg/lb	15 / 33.1	15 / 33.1
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.79	20 / 0.79
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500	755 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 6.67	757 / 6.67
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.87	1.40 / 3.09

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump (With Torque Control)

MODEL		OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
		INDOOR UNIT			M5WMX010GR	M5WMX015GR
NOMINAL COOLING CAPACITY				Btu/h	9500	12000
				W	2638	3517
NOMINAL HEATING CAPACITY				Btu/h	11500	13000
				W	3370	3810
NOMINAL TOTAL INPUT POWER (COOLING)				W	820	1100
NOMINAL TOTAL INPUT POWER (HEATING)				W	930	1057
NOMINAL RUNNING CURRENT (COOLING)				A	3.80	5.40
NOMINAL RUNNING CURRENT (HEATING)				A	4.50	5.00
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.39	3.19
COP				W/W	3.62	3.60
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	AIR FLOW	HIGH		l/s / CFM	142 / 300	156 / 330
		MEDIUM		l/s / CFM	118 / 250	123 / 260
		LOW		l/s / CFM	94 / 200	99 / 210
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 35 / 30	39 / 36 / 31
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	957 / 37.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	9.5 / 20.9	9.5 / 20.9
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63	16 / 0.63
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	52
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.80 / 1.76	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling only

MODEL		OUTDOOR UNIT			M5LCX020C	M5LCX025C
		INDOOR UNIT			M5CKX020A	M5CKX025A
NOMINAL CAPACITY				Btu/h	18000	21000
				W	5275	6155
NOMINAL TOTAL INPUT POWER				W	1694	2054
NOMINAL RUNNING CURRENT				A	7.46	9.05
POWER SOURCE				V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
EER				W/W	3.11	3.00
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)	4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	349 / 740	368 / 780
		MEDIUM		l/s / CFM	297 / 630	311 / 660
		LOW		l/s / CFM	283 / 600	283 / 600
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 39 / 37	45 / 42 / 40
	UNIT DIMENSION	HEIGHT		mm/in	335 / 13.2	335 / 13.2
		WIDTH		mm/in	820 / 32.2	820 / 32.2
		DEPTH		mm/in	820 / 32.2	820 / 32.2
	PACKING DIMENSION	HEIGHT		mm/in	380 / 15	380 / 15
		WIDTH		mm/in	920 / 36.2	920 / 36.2
		DEPTH		mm/in	920 / 36.2	920 / 36.2
	UNIT WEIGHT			kg/lb	35 / 77.1	36 / 79.3
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500	757 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 29.8	757 / 29.8
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86	1.40 / 3.08

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling only

MODEL		OUTDOOR UNIT			M5LCX010C	M5LCX015C
		INDOOR UNIT			M5CKX010C	M5CKX015C
NOMINAL CAPACITY				Btu/h	9500	12000
				W	2784	3517
NOMINAL TOTAL INPUT POWER				W	833	1116
NOMINAL RUNNING CURRENT				A	3.95	5.37
POWER SOURCE				V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
EER				W/W	3.34	3.15
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)	4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	189 / 400	194 / 410
		MEDIUM		l/s / CFM	184 / 390	184 / 390
		LOW		l/s / CFM	175 / 370	170 / 360
	SOUND PRESSURE LEVEL (H/M/L)			dBA	44 / 43 / 42	44 / 42 / 41
	UNIT DIMENSION	HEIGHT		mm/in	250 / 9.8	250 / 9.8
		WIDTH		mm/in	570 / 22.4	570 / 22.4
		DEPTH		mm/in	570 / 22.4	570 / 22.4
	PACKING DIMENSION	HEIGHT		mm/in	317 / 12.5	317 / 12.5
		WIDTH		mm/in	630 / 24.8	630 / 24.8
		DEPTH		mm/in	630 / 24.8	630 / 24.8
	UNIT WEIGHT			kg/lb	24 / 52.9	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	48
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.80 / 1.76	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling only

MODEL		OUTDOOR UNIT			M5LCX020C
		INDOOR UNIT			M5CKX020C
NOMINAL CAPACITY				Btu/h	18000
				W	5275
NOMINAL TOTAL INPUT POWER				W	1646
NOMINAL RUNNING CURRENT				A	7.23
POWER SOURCE				V/Ph/Hz	230 / 1 / 50
EER				W/W	3.20
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	212 / 450
		MEDIUM		l/s / CFM	203 / 430
		LOW		l/s / CFM	194 / 410
	SOUND PRESSURE LEVEL (H/M/L)			dBA	47 / 46 / 44
	UNIT DIMENSION	HEIGHT		mm/in	250 / 9.8
		WIDTH		mm/in	570 / 22.4
		DEPTH		mm/in	570 / 22.4
	PACKING DIMENSION	HEIGHT		mm/in	317 / 12.5
		WIDTH		mm/in	630 / 24.8
		DEPTH		mm/in	630 / 24.8
	UNIT WEIGHT			kg/lb	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500
	SOUND PRESSURE LEVEL			dBA	53
	UNIT DIMENSION	HEIGHT		mm/in	750 / 29.5
		WIDTH		mm/in	855 / 33.7
		DEPTH		mm/in	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9
		WIDTH		mm/in	983 / 38.7
		DEPTH		mm/in	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
		INDOOR UNIT			M5CKX020AR	M5CKX025AR
NOMINAL COOLING CAPACITY				Btu/h	18000	21000
				W	5275	6155
NOMINAL HEATING CAPACITY				Btu/h	19000	22000
				W	5568	6448
NOMINAL TOTAL INPUT POWER (COOLING)				W	1694	2054
NOMINAL TOTAL INPUT POWER (HEATING)				W	1693	2076
NOMINAL RUNNING CURRENT (COOLING)				A	7.46	9.05
NOMINAL RUNNING CURRENT (HEATING)				A	7.45	9.14
POWER SOURCE				V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
EER				W/W	3.11	3.00
COP				W/W	3.29	3.11
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)	4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	349 / 740	368 / 780
		MEDIUM		l/s / CFM	297 / 630	311 / 660
		LOW		l/s / CFM	283 / 600	283 / 600
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 39 / 37	45 / 42 / 40
	UNIT DIMENSION	HEIGHT		mm/in	335 / 13.2	335 / 13.2
		WIDTH		mm/in	820 / 32.2	820 / 32.2
		DEPTH		mm/in	820 / 32.2	820 / 32.2
	PACKING DIMENSION	HEIGHT		mm/in	380 / 15	380 / 15
		WIDTH		mm/in	920 / 36.2	920 / 36.2
		DEPTH		mm/in	920 / 36.2	920 / 36.2
	UNIT WEIGHT			kg/lb	35 / 77.1	36 / 79.3
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500	757 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	750 / 29.5	750 / 29.5
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86	1.40 / 3.08

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
		INDOOR UNIT			M5CKX010CR	M5CKX015CR
NOMINAL COOLING CAPACITY				Btu/h	9500	12000
				W	2784	3517
NOMINAL HEATING CAPACITY				Btu/h	11500	13000
				W	3370	3810
NOMINAL TOTAL INPUT POWER (COOLING)				W	833	1116
NOMINAL TOTAL INPUT POWER (HEATING)				W	943	1073
NOMINAL RUNNING CURRENT (COOLING)				A	3.95	5.37
NOMINAL RUNNING CURRENT (HEATING)				A	4.55	5.07
POWER SOURCE				V/Ph/Hz	230 / 1 / 50	230 / 1 / 50
EER				W/W	3.34	3.15
COP				W/W	3.57	3.55
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)	4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	189 / 400	194 / 410
		MEDIUM		l/s / CFM	184 / 390	184 / 390
		LOW		l/s / CFM	175 / 370	170 / 360
	SOUND PRESSURE LEVEL (H/M/L)			dBA	44 / 43 / 42	44 / 42 / 41
	UNIT DIMENSION	HEIGHT		mm/in	250 / 9.8	250 / 9.8
		WIDTH		mm/in	570 / 22.4	570 / 22.4
		DEPTH		mm/in	570 / 22.4	570 / 22.4
	PACKING DIMENSION	HEIGHT		mm/in	317 / 12.5	317 / 12.5
		WIDTH		mm/in	630 / 24.8	630 / 24.8
		DEPTH		mm/in	630 / 24.8	630 / 24.8
	UNIT WEIGHT			kg/lb	24 / 52.9	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	48
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.80 / 1.76	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX020CR
		INDOOR UNIT			M5CKX020CR
NOMINAL COOLING CAPACITY				Btu/h	18000
				W	5275
NOMINAL HEATING CAPACITY				Btu/h	19000
				W	5668
NOMINAL TOTAL INPUT POWER (COOLING)				W	1646
NOMINAL TOTAL INPUT POWER (HEATING)				W	1645
NOMINAL RUNNING CURRENT (COOLING)				A	7.23
NOMINAL RUNNING CURRENT (HEATING)				A	7.22
POWER SOURCE				V/Ph/Hz	230 / 1 / 50
EER				W/W	3.20
COP				W/W	3.38
REFRIGERANT TYPE					R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			4 WAY AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	212 / 450
		MEDIUM		l/s / CFM	203 / 430
		LOW		l/s / CFM	194 / 410
	SOUND PRESSURE LEVEL (H/M/L)			dBA	47 / 46 / 44
	UNIT DIMENSION	HEIGHT		mm/in	250 / 9.8
		WIDTH		mm/in	570 / 22.4
		DEPTH		mm/in	570 / 22.4
	PACKING DIMENSION	HEIGHT		mm/in	317 / 12.5
		WIDTH		mm/in	630 / 24.8
		DEPTH		mm/in	630 / 24.8
	UNIT WEIGHT			kg/lb	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500
	SOUND PRESSURE LEVEL			dBA	53
	UNIT DIMENSION	HEIGHT		mm/in	757 / 6.67
		WIDTH		mm/in	855 / 33.7
		DEPTH		mm/in	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9
		WIDTH		mm/in	983 / 38.7
		DEPTH		mm/in	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only

MODEL		OUTDOOR UNIT			M5LCX015C	M5LCX015C *
		INDOOR UNIT			M5CMX015E	M5CMX015E *
NOMINAL CAPACITY				Btu/h	12000	12000
				W	3520	3520
NOMINAL TOTAL INPUT POWER				W	1130	1135
NOMINAL RUNNING CURRENT				A	5.50	5.40
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.21	3.10
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)	AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	240 / 508	240 / 508
		MEDIUM		l/s / CFM	182 / 386	182 / 386
		LOW		l/s / CFM	165 / 350	165 / 350
				dBA	42 / 38 / 36	42 / 38 / 36
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6	218 / 8.6
		WIDTH		mm/in	1080 / 42.5	1080 / 42.5
		DEPTH		mm/in	630 / 24.8	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.7	297 / 11.7
		WIDTH		mm/in	1197 / 47.1	1197 / 47.1
		DEPTH		mm/in	740 / 29.1	740 / 29.1
	UNIT WEIGHT			kg/lb	26 / 57.3	26 / 57.3
	CONDENSATE DRAIN SIZE			mm/in	19.1 / 3/4	19.1 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	453 / 960	453 / 960
	SOUND PRESSURE LEVEL			dBA	49	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4	620 / 24.4
		WIDTH		mm/in	810 / 31.9	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 70.6	32 / 71
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.90 / 1.98	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

** WITH TORQUE CONTROL*

General Data - Cooling Only

MODEL		OUTDOOR UNIT			M5LCX020C	M5LCX025C
		INDOOR UNIT			M5CMX020E	M5CKX025E
NOMINAL CAPACITY				Btu/h	18000	21000
				W	5280	6155
NOMINAL TOTAL INPUT POWER				W	1663	2025
NOMINAL RUNNING CURRENT				A	7.34	8.93
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.15	3.04
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)	AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	245 / 520	274 / 580
		MEDIUM		l/s / CFM	217 / 460	250 / 530
		LOW		l/s / CFM	192 / 406	231 / 490
	SOUND PRESSURE LEVEL (H/M/L)			dBA	48 / 46 / 43	50 / 47 / 46
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6	218 / 8.6
		WIDTH		mm/in	1080 / 42.5	1080 / 42.5
		DEPTH		mm/in	630 / 24.8	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.69	297 / 11.69
		WIDTH		mm/in	1197 / 47.13	1197 / 47.13
		DEPTH		mm/in	740 / 29.13	740 / 29.13
	UNIT WEIGHT			kg/lb	27 / 59.5	27 / 59.5
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	615 / 1300	755 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 29.8	757 / 29.8
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86	1.40 / 3.08

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX015CR	M5LCX015CR *
		INDOOR UNIT			M5CMX015ER	M5CMX015ER *
NOMINAL COOLING CAPACITY				Btu/h	12000	12000
				W	3520	3520
NOMINAL HEATING CAPACITY				Btu/h	14000	13000
				W	4100	3810
NOMINAL TOTAL INPUT POWER (COOLING)				W	1130	1135
NOMINAL TOTAL INPUT POWER (HEATING)				W	1305	1092
NOMINAL RUNNING CURRENT (COOLING)				A	5.50	5.40
NOMINAL RUNNING CURRENT (HEATING)				A	6.40	5.10
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.21	3.10
COP				W/W	3.61	3.49
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)	AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	240 / 508	240 / 508
		MEDIUM		l/s / CFM	182 / 386	182 / 386
		LOW		l/s / CFM	165 / 350	165 / 350
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 38 / 36	42 / 38 / 36
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6	218 / 8.6
		WIDTH		mm/in	1080 / 42.5	1080 / 42.5
		DEPTH		mm/in	630 / 24.8	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.7	297 / 11.7
		WIDTH		mm/in	1197 / 47.1	1197 / 47.1
		DEPTH		mm/in	740 / 29.1	740 / 29.1
	UNIT WEIGHT			kg/lb	26 / 57.3	26 / 57.3
	CONDENSATE DRAIN SIZE			mm/in	19.1 / 3/4	19.1 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	453 / 960	453 / 960
	SOUND PRESSURE LEVEL			dBA	49	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4	620 / 24.4
		WIDTH		mm/in	810 / 31.9	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 70.6	32 / 71
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.90 / 1.98	0.94 / 2.07

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

** WITH TORQUE CONTROL*

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
		INDOOR UNIT			M5CMX020ER	M5CMX025ER
NOMINAL COOLING CAPACITY				Btu/h	18000	21000
				W	5275	6155
NOMINAL HEATING CAPACITY				Btu/h	19000	22000
				W	5568	6448
NOMINAL TOTAL INPUT POWER (COOLING)				W	1663	2025
NOMINAL TOTAL INPUT POWER (HEATING)				W	1662	2047
NOMINAL RUNNING CURRENT (COOLING)				A	7.30	8.89
NOMINAL RUNNING CURRENT (HEATING)				A	7.30	9.02
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.15	3.04
COP				W/W	3.33	3.15
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN)	AUTOMATIC LOUVER (UP & DOWN)
		OPERATION			WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL	WIRELESS OR WIRED MICROCOMPUTER REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	245 / 520	274 / 580
		MEDIUM		l/s / CFM	217 / 460	250 / 530
		LOW		l/s / CFM	192 / 406	231 / 490
	SOUND PRESSURE LEVEL (H/M/L)			dBA	48 / 46 / 43	50 / 47 / 46
	UNIT DIMENSION	HEIGHT		mm/in	218 / 8.6	218 / 8.6
		WIDTH		mm/in	1080 / 42.5	1080 / 42.5
		DEPTH		mm/in	630 / 24.8	630 / 24.8
	PACKING DIMENSION	HEIGHT		mm/in	297 / 11.69	297 / 11.69
		WIDTH		mm/in	1197 / 47.13	1197 / 47.13
		DEPTH		mm/in	740 / 29.13	740 / 29.13
	UNIT WEIGHT			kg/lb	27 / 59.5	27 / 59.5
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	615 / 1300	755 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	757 / 29.8	757 / 29.8
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.8 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86	1.40 / 3.08

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only

MODEL		OUTDOOR UNIT			M5LCX010C	M5LCX015C
		INDOOR UNIT			M5CCX010C	M5CCX015C
NOMINAL CAPACITY				Btu/h	9500	12000
				W	2784	3517
NOMINAL TOTAL INPUT POWER				W	830	1136
NOMINAL RUNNING CURRENT				A	3.98	5.54
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.35	3.09
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED	DUCTED
		OPERATION			SLM WIRED HANDSET	SLM WIRED HANDSET
	AIR FLOW	HIGH		l/s / CFM	127 / 268	201 / 426
		MEDIUM		l/s / CFM	120 / 254	184 / 390
		LOW		l/s / CFM	106 / 225	153 / 323
	SOUND PRESSURE LEVEL (H/M/L)			dBA	33 / 30 / 26	37 / 34 / 29
	UNIT DIMENSION	HEIGHT		mm/in	261 / 10.28	261 / 10.28
		WIDTH		mm/in	765 / 30.12	765 / 30.12
		DEPTH		mm/in	411 / 16.18	411 / 16.18
	PACKING DIMENSION	HEIGHT		mm/in	410 / 16.14	410 / 16.14
		WIDTH		mm/in	951 / 37.44	951 / 37.44
		DEPTH		mm/in	535 / 21.06	535 / 21.06
	UNIT WEIGHT			kg/lb	17 / 37.5	21 / 46.3
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	52
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.90 / 1.87	0.90 / 1.98

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only

MODEL		OUTDOOR UNIT			M5LCX020C	M5LCX025C
		INDOOR UNIT			M5CCX020C	M5CCX025C
NOMINAL CAPACITY				Btu/h	18000	21000
				W	5275	6155
NOMINAL TOTAL INPUT POWER				W	1683	2045
NOMINAL RUNNING CURRENT				A	7.55	9.11
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.13	3.01
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED	DUCTED
		OPERATION			SLM WIRED HANDSET	SLM WIRED HANDSET
	AIR FLOW	HIGH		l/s / CFM	272 / 575	389 / 780
		MEDIUM		l/s / CFM	266 / 563	312 / 660
		LOW		l/s / CFM	266 / 479	284 / 600
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 36 / 34	40 / 39 / 36
	UNIT DIMENSION	HEIGHT		mm/in	261 / 10.28	261 / 10.28
		WIDTH		mm/in	1065 / 41.93	1200 / 47.24
		DEPTH		mm/in	411 / 16.18	411 / 16.18
	PACKING DIMENSION	HEIGHT		mm/in	410 / 16.14	410 / 16.14
		WIDTH		mm/in	951 / 37.44	1251 / 49.25
		DEPTH		mm/in	535 / 21.06	535 / 21.06
	UNIT WEIGHT			kg/lb	22 / 48.5	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500	757 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	750 / 29.5	750 / 29.5
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.9 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86	1.40 / 3.08

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
		INDOOR UNIT			M5CCX010CR	M5CCX015CR
NOMINAL COOLING CAPACITY				Btu/h	9500	12000
				W	2784	3517
NOMINAL HEATING CAPACITY				Btu/h	11500	13000
				W	3370	3810
NOMINAL TOTAL INPUT POWER (COOLING)				W	830	1136
NOMINAL TOTAL INPUT POWER (HEATING)				W	940	1093
NOMINAL RUNNING CURRENT (COOLING)				A	3.98	5.54
NOMINAL RUNNING CURRENT (HEATING)				A	4.58	5.24
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.35	3.10
COP				W/W	3.59	3.49
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED	DUCTED
		OPERATION			SLM WIRED HANDSET	SLM WIRED HANDSET
	AIR FLOW	HIGH		l/s / CFM	127 / 268	201 / 426
		MEDIUM		l/s / CFM	120 / 254	184 / 390
		LOW		l/s / CFM	106 / 225	153 / 323
	SOUND PRESSURE LEVEL (H/M/L)			dBA	33 / 30 / 26	37 / 34 / 29
	UNIT DIMENSION	HEIGHT		mm/in	261 / 10.28	261 / 10.28
		WIDTH		mm/in	765 / 30.12	765 / 30.12
		DEPTH		mm/in	411 / 16.18	411 / 16.18
	PACKING DIMENSION	HEIGHT		mm/in	410 / 16.14	410 / 16.14
		WIDTH		mm/in	951 / 37.44	951 / 37.44
		DEPTH		mm/in	535 / 21.06	535 / 21.06
	UNIT WEIGHT			kg/lb	17 / 37.5	21 / 46.3
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	378 / 800	425 / 900
	SOUND PRESSURE LEVEL			dBA	47	52
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	601 / 23.7	601 / 23.7
		WIDTH		mm/in	803 / 31.6	803 / 31.6
		DEPTH		mm/in	320 / 12.6	320 / 12.6
	UNIT WEIGHT			kg/lb	38 / 83.6	38 / 83.6
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	9.5 / 3/8	12.7 / 1/2
REFRIGERANT CHARGE				kg/lb	0.9 / 1.87	0.9 / 1.98

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b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
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General Data - Heat pump

MODEL		OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
		INDOOR UNIT			M5CCX020CR	M5CCX025CR
NOMINAL COOLING CAPACITY				Btu/h	18000	21000
				W	5275	6155
NOMINAL HEATING CAPACITY				Btu/h	19000	22000
				W	5568	6448
NOMINAL TOTAL INPUT POWER (COOLING)				W	1683	2045
NOMINAL TOTAL INPUT POWER (HEATING)				W	1682	2067
NOMINAL RUNNING CURRENT (COOLING)				A	7.55	9.11
NOMINAL RUNNING CURRENT (HEATING)				A	7.54	9.24
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.13	3.01
COP				W/W	3.31	3.12
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR EXV	OUTDOOR EXV
INDOOR UNIT	CONTROL	AIR DISCHARGE			DUCTED	DUCTED
		OPERATION			SLM WIRED HANDSET	SLM WIRED HANDSET
	AIR FLOW	HIGH		l/s / CFM	272 / 575	389 / 780
		MEDIUM		l/s / CFM	266 / 563	312 / 660
		LOW		l/s / CFM	266 / 479	284 / 600
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 36 / 34	40 / 39 / 36
	UNIT DIMENSION	HEIGHT		mm/in	261 / 10.28	261 / 10.28
		WIDTH		mm/in	1065 / 41.93	1200 / 47.24
		DEPTH		mm/in	411 / 16.18	411 / 16.18
	PACKING DIMENSION	HEIGHT		mm/in	410 / 16.14	410 / 16.14
		WIDTH		mm/in	951 / 37.44	1251 / 49.25
		DEPTH		mm/in	535 / 21.06	535 / 21.06
	UNIT WEIGHT			kg/lb	22 / 48.5	25 / 55.1
	CONDENSATE DRAIN SIZE			mm/in	19.05 / 3/4	19.05 / 3/4
OUTDOOR UNIT	AIR FLOW			l/s / CFM	708 / 1500	757 / 1600
	SOUND PRESSURE LEVEL			dBA	53	56
	UNIT DIMENSION	HEIGHT		mm/in	750 / 29.5	750 / 29.5
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	785 / 30.9	785 / 30.9
		WIDTH		mm/in	983 / 38.7	983 / 38.7
		DEPTH		mm/in	405 / 15.9	405 / 15.9
	UNIT WEIGHT			kg/lb	50 / 110.3	50 / 110.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.4 / 1/4	6.4 / 1/4
			GAS	mm/in	12.7 / 1/2	15.9 / 5/8
REFRIGERANT CHARGE				kg/lb	1.30 / 2.86	1.40 / 3.08

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a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

Components Data - Cooling Only

MODEL	OUTDOOR UNIT			M5LCX010C	M5LCX015C
	INDOOR UNIT			M5WMX010G	M5WMX015G
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	97 / 3.8	97 / 3.8
	LENGTH		mm/in	718 / 28.2	718 / 28.2
INDOOR FAN MOTOR	TYPE			SCR MOTOR	SCR MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL	GLASS REINFORCED ACRYL
	DRIVE			STYRENE RESIN DIRECT	STYRENE RESIN DIRECT
	DIAMETER		mm/in	406 / 16	406 / 16
OUTDOOR FAN MOTOR	TYPE			PERMANENT SLIT CAPACITOR INDUCTION	PERMANENT SLIT CAPACITOR INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP33	IP33
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	DC BRUSHLESS SCROLL
	OIL TYPE			POLYESTER OIL (POE)	POLYESTER OIL (POE)
	OIL AMOUNT		cm^3 / fl.oz.	360 / 12.7	360 / 12.7
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.19 / 2.080	0.19 / 2.080
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW		2	2
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		TYPE		ANTI-MICROBIAL	ANTI-MICROBIAL
		QUANTITY	pc	1	1
		TYPE		TITANIUM OXIDE	TITANIUM OXIDE
		QUANTITY	pc	1	1
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Cooling Only

MODEL	OUTDOOR UNIT			M5LCX020C	M5LCX025C
	INDOOR UNIT			M5WMX020G	M5WMX025G
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	108 / 4.3	108 / 4.3
	LENGTH		mm/in	810 / 32.9	810 / 32.9
INDOOR FAN MOTOR	TYPE			SCR MOTOR	SCR MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	460 / 18
OUTDOOR FAN MOTOR	TYPE			PERMANENT SLIT CAPACITOR INDUCTION	PERMANENT SLIT CAPACITOR INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP22	IP22
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	DC BRUSHLESS SCROLL
	OIL TYPE			POLYESTER OIL (POE)	POLYESTER OIL (POE)
	OIL AMOUNT		cm^3 / fl.oz.	480 / 16.9	480 / 16.9
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.27 / 2.900	0.27 / 2.900
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		TYPE		ANTI-MICROBIAL	ANTI-MICROBIAL
		QUANTITY	pc	1	1
		TYPE		TITANIUM OXIDE	TITANIUM OXIDE
		QUANTITY	pc	1	1
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Cooling Only (with Torque Control)

MODEL	OUTDOOR UNIT			M5LCX010C	M5LCX015C
	INDOOR UNIT			M5WMX010G	M5WMX015G
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	97 / 3.8	97 / 3.8
	LENGTH		mm/in	718 / 28.2	718 / 28.2
INDOOR FAN MOTOR	TYPE			SCR MOTOR	SCR MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	406 / 16	406 / 16
OUTDOOR FAN MOTOR	TYPE			PERMANENT SLIT CAPACITOR INDUCTION	PERMANENT SLIT CAPACITOR INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP33	IP33
COMPRESSOR	TYPE			DC ROTARY	DC ROTARY
	OIL TYPE			RB68A	RB68A
	OIL AMOUNT		cm^3 / fl.oz.	320 / 11.3	320 / 11.3
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.19 / 2.080	0.19 / 2.080
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW		2	2
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		TYPE		ANTI-MICROBIAL	ANTI-MICROBIAL
		QUANTITY	pc	1	1
		TYPE		TITANIUM OXIDE	TITANIUM OXIDE
		QUANTITY	pc	1	1
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
	INDOOR UNIT			M5WMX010GR	M5WMX015GR
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	97 / 3.8	97 / 3.8
	LENGTH		mm/in	718 / 28.2	718 / 28.2
INDOOR FAN MOTOR	TYPE			SCR MOTOR	SCR MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	406 / 16	406 / 16
OUTDOOR FAN MOTOR	TYPE			PERMANENT SLIT CAPACITOR INDUCTION	PERMANENT SLIT CAPACITOR INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP33	IP33
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	DC BRUSHLESS SCROLL
	OIL TYPE			POLYESTER OIL (POE)	POLYESTER OIL (POE)
	OIL AMOUNT		cm^3 / fl.oz.	360 / 12.7	360 / 12.7
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.19 / 2.080	0.19 / 2.080
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW		2	2
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		TYPE		ANTI-MICROBIAL	ANTI-MICROBIAL
		QUANTITY	pc	1	1
		TYPE		TITANIUM OXIDE	TITANIUM OXIDE
		QUANTITY	pc	1	1
CASING	INDOOR UNIT			HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT			GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
	INDOOR UNIT			M5WMX020GR	M5WMX025GR
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	108 / 4.3	108 / 4.3
	LENGTH		mm/in	810 / 32.9	810 / 32.9
INDOOR FAN MOTOR	TYPE			SCR MOTOR	SCR MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	460 / 18
OUTDOOR FAN MOTOR	TYPE			PERMANENT SLIT CAPACITOR INDUCTION	PERMANENT SLIT CAPACITOR INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP22	IP22
COMPRESSOR	TYPE			DC BRUSHLESS SCROLL	DC BRUSHLESS SCROLL
	OIL TYPE			POLYESTER OIL (POE)	POLYESTER OIL (POE)
	OIL AMOUNT		cm^3/ fl.oz.	480 / 16.9	480 / 16.9
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.27 / 2.900	0.27 / 2.900
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		TYPE		ANTI-MICROBIAL	ANTI-MICROBIAL
		QUANTITY	pc	1	1
		TYPE		TITANIUM OXIDE	TITANIUM OXIDE
		QUANTITY	pc	1	1
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Heat pump (with Torque Control)

MODEL	OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
	INDOOR UNIT			M5WMX010GR	M5WMX015GR
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	97 / 3.8	97 / 3.8
	LENGTH		mm/in	718 / 28.2	718 / 28.2
INDOOR FAN MOTOR	TYPE			SCR MOTOR	SCR MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	406 / 16	406 / 16
OUTDOOR FAN MOTOR	TYPE			PERMANENT SLIT CAPACITOR INDUCTION	PERMANENT SLIT CAPACITOR INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP33	IP33
COMPRESSOR	TYPE			DC ROTARY	DC ROTARY
	OIL TYPE			RB68A	RB68A
	OIL AMOUNT		cm^3 / fl.oz.	320 / 11.3	320 / 11.3
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.19 / 2.080	0.19 / 2.080
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW		2	2
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		TYPE		ANTI-MICROBIAL	ANTI-MICROBIAL
		QUANTITY	pc	1	1
		TYPE		TITANIUM OXIDE	TITANIUM OXIDE
		QUANTITY	pc	1	1
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Cooling only

MODEL	OUTDOOR UNIT			M5LCX020C	M5LCX025C
	INDOOR UNIT			M5CKX020A	M5CKX025A
INDOOR FAN	TYPE			TURBO FAN	TURBO FAN
	QUANTITY			1	1
	MATERIAL			ASG20	ASG20
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	450 / 17.7	450 / 17.7
	LENGTH		mm/in	170 / 6.7	170 / 6.7
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP22	IP22
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	460 / 18
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.48 / 5.156	0.48 / 5.156
		ROW		1	1
		FIN PER INCH		20	20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	1	1
		SIZE LENGTH	mm/in	576 / 22.7	576 / 22.7
		SIZE WIDTH	mm/in	556 / 21.9	556 / 21.9
		SIZE THICKNESS	mm/in	22 / 0.9	22 / 0.9
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	GALVANISED IRON
			COLOUR	GREY	GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Cooling only

MODEL	OUTDOOR UNIT			M5LCX010C	M5LCX015C
	INDOOR UNIT			M5CKX010C	M5CKX015C
INDOOR FAN	TYPE			TURBO FAN	TURBO FAN
	QUANTITY			1	1
	MATERIAL			ASG20	ASG20
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	330 / 13.0	330 / 13.0
	LENGTH		mm/in	178 / 7.0	178 / 7.0
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	406 / 16	406 / 16
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE	SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.32 / 3.42	0.32 / 3.42
		ROW		1	2
		FIN PER INCH		16	20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW		2	2
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	1	1
		SIZE LENGTH	mm/in	368 / 14.5	368 / 14.5
		SIZE WIDTH	mm/in	381 / 15.0	381 / 15.0
		SIZE THICKNESS	mm/in	21 / 0.8	21 / 0.8
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	GALVANISED IRON
			COLOUR	GREY	GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Cooling only

MODEL	OUTDOOR UNIT			M5LCX020C
	INDOOR UNIT			M5CKX020C
INDOOR FAN	TYPE			TURBO FAN
	QUANTITY			1
	MATERIAL			ASG20
	DRIVE			DIRECT
	DIAMETER		mm/in	330 / 13.0
	LENGTH		mm/in	178 / 7.0
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR
	QUANTITY			1
	INDEX OF PROTECTION (IP)			-
OUTDOOR FAN	TYPE			PROPELLER
	QUANTITY			1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT
	DIAMETER		mm/in	460 / 18
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR
	QUANTITY			1
	INDEX OF PROTECTION (IP)			IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	670 / 23.6
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.32 / 3.42
		ROW		2
		FIN PER INCH		20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670
		ROW		2
		FIN PER INCH		20
AIR QUALITY	FILTER	TYPE		SARANET
		QUANTITY	pc	1
		SIZE LENGTH	mm/in	368 / 14.5
		SIZE WIDTH	mm/in	381 / 15.0
		SIZE THICKNESS	mm/in	21 / 0.8
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON
			COLOUR	GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY

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Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
	INDOOR UNIT			M5CKX020AR	M5CKX025AR
INDOOR FAN	TYPE			TURBO FAN	TURBO FAN
	QUANTITY			1	1
	MATERIAL			ASG20	ASG20
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	450 / 17.7	450 / 17.7
	LENGTH		mm/in	170 / 6.7	170 / 6.7
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP22	IP22
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	460 / 18
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3/ fl.oz.	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE	SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.48 / 5.156	0.48 / 5.156
		ROW		1	1
		FIN PER INCH		20	20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	1	1
		SIZE LENGTH	mm/in	576 / 22.7	576 / 22.7
		SIZE WIDTH	mm/in	556 / 21.9	556 / 21.9
		SIZE THICKNESS	mm/in	22 / 0.9	22 / 0.9
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	GALVANISED IRON
			COLOUR	GREY	GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
	INDOOR UNIT			M5CKX010CR	M5CKX015CR
INDOOR FAN	TYPE			TURBO FAN	TURBO FAN
	QUANTITY			1	1
	MATERIAL			ASG20	ASG20
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	330 / 13.0	330 / 13.0
	LENGTH		mm/in	178 / 7.0	178 / 7.0
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	406 / 16	406 / 16
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER ROTARY	DC INVERTER ROTARY
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE	SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.32 / 3.42	0.32 / 3.42
		ROW		1	2
		FIN PER INCH		16	20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW		2	2
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	1	1
		SIZE LENGTH	mm/in	368 / 14.5	368 / 14.5
		SIZE WIDTH	mm/in	381 / 15.0	381 / 15.0
		SIZE THICKNESS	mm/in	21 / 0.8	21 / 0.8
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON	GALVANISED IRON
			COLOUR	GREY	GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX020CR
	INDOOR UNIT			M5CKX020CR
INDOOR FAN	TYPE			TURBO FAN
	QUANTITY			1
	MATERIAL			ASG20
	DRIVE			DIRECT
	DIAMETER		mm/in	330 / 13.0
	LENGTH		mm/in	178 / 7.0
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR
	QUANTITY			1
	INDEX OF PROTECTION (IP)			-
OUTDOOR FAN	TYPE			PROPELLER
	QUANTITY			1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT
	DIAMETER		mm/in	460 / 18
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR
	QUANTITY			1
	INDEX OF PROTECTION (IP)			IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	670 / 23.6
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.32 / 3.42
		ROW		2
		FIN PER INCH		20
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670
		ROW		2
		FIN PER INCH		20
AIR QUALITY	FILTER	TYPE		SARANET
		QUANTITY	pc	1
		SIZE LENGTH	mm/in	368 / 14.5
		SIZE WIDTH	mm/in	381 / 15.0
		SIZE THICKNESS	mm/in	21 / 0.8
CASING	INDOOR UNIT		MATERIAL	GALVANISED IRON
			COLOUR	GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY

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Components Data - Cooling only

MODEL	OUTDOOR UNIT			M5LCX015C	M5LCX015C *
	INDOOR UNIT			M5CMX015E	M5CMX015E *
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			2	2
	MATERIAL			ABS	ABS
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	146 / 5.8	146 / 5.8
	LENGTH		mm/in	200 / 7.9	200 / 7.9
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	404 / 16	404 / 16
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER ROTARY
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	430 / 15.1	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.26 / 2.900	0.26 / 2.900
		ROW		2	2
		FIN PER INCH		16	16
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.36 / 3.940	0.36 / 3.940
		ROW		1	1
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	309 / 12.2	309 / 12.2
		SIZE WIDTH	mm/in	383 / 15.1	383 / 15.1
		SIZE THICKNESS	mm/in	2.21 / 0.1	2.21 / 0.1
CASING	INDOOR UNIT		MATERIAL	PS	PS
			FINISHING	ETCHING SURFACE	ETCHING SURFACE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			FINISHING	POLYSTER POWDER	POLYSTER POWDER
			COLOUR	LIGHT GREY	LIGHT GREY

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** WITH TORQUE CONTROL*

Components Data - Cooling Only

MODEL	OUTDOOR UNIT			M5LCX020C	M5LCX025C
	INDOOR UNIT			M5CMX020E	M5CMX025E
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			2	2
	MATERIAL			ABS	ABS
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	146 / 5.8	146 / 5.8
	LENGTH		mm/in	200 / 7.9	200 / 7.9
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	404 / 16
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.26 / 2.900	0.26 / 2.900
		ROW		3	3
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	309 / 12.2	309 / 12.2
		SIZE WIDTH	mm/in	383 / 15.1	383 / 15.1
		SIZE THICKNESS	mm/in	2.21 / 0.1	2.21 / 0.1
CASING	INDOOR UNIT		MATERIAL	PS	PS
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX015CR	M5LCX015CR *
	INDOOR UNIT			M5CMX015ER	M5CMX015ER *
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			2	2
	MATERIAL			ABS	ABS
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	146 / 5.8	146 / 5.8
	LENGTH		mm/in	200 / 7.9	200 / 7.9
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	404 / 16	404 / 16
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	430 / 15.1	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.26 / 2.900	0.26 / 2.900
		ROW		2	2
		FIN PER INCH		16	16
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.36 / 3.940	0.36 / 3.940
		ROW		1	1
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	309 / 12.2	309 / 12.2
		SIZE WIDTH	mm/in	383 / 15.1	383 / 15.1
		SIZE THICKNESS	mm/in	2.21 / 0.1	2.21 / 0.1
CASING	INDOOR UNIT		MATERIAL	PS	PS
			FINISHING	ETCHING SURFACE	ETCHING SURFACE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			FINISHING	POLYSTER POWDER	POLYSTER POWDER
			COLOUR	LIGHT GREY	LIGHT GREY

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** WITH TORQUE CONTROL*

Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
	INDOOR UNIT			M5CMX020ER	M5CMX025ER
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			2	2
	MATERIAL			ABS	ABS
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	146 / 5.8	146 / 5.8
	LENGTH		mm/in	200 / 7.9	200 / 7.9
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	404 / 16
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	670 / 23.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.26 / 2.900	0.26 / 2.900
		ROW		3	3
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	309 / 12.2	309 / 12.2
		SIZE WIDTH	mm/in	383 / 15.1	383 / 15.1
		SIZE THICKNESS	mm/in	2.21 / 0.1	2.21 / 0.1
CASING	INDOOR UNIT		MATERIAL	PS	PS
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Cooling only

MODEL	OUTDOOR UNIT				M5LCX010C	M5LCX015C
	INDOOR UNIT				M5CCX010C	M5CCX015C
INDOOR FAN	TYPE				BLOWER WHEEL	BLOWER WHEEL
	QUANTITY				1	2
	MATERIAL				GALVANISED STEEL	GALVANISED STEEL
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	160 / 6.3	160 / 6.3
	LENGTH			mm/in	202 / 8.0	202 / 8.0
INDOOR FAN MOTOR	TYPE				4-POLE MOTOR	4-POLE MOTOR
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				-	-
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	460 / 18	460 / 18
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				DC INVERTER ROTARY	DC INVERTER ROTARY
	OIL TYPE				RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT			cm^3 / fl.oz.	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE	SEAMLESS INNER GROOVE
		DIAMETER		mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS		mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA		m^2/ft^2	0.20 / 2.187	0.20 / 2.187
		ROW			3	3
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS		mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS		mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA		m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW			2	2
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			SARANET	SARANET
		QUANTITY		pc	1	1
		SIZE	LENGTH	mm/in	560 / 22.1	700 / 27.6
			WIDTH	mm/in	195 / 7.7	195 / 7.7
			THICKNESS	mm/in	5 / 0.2	5 / 0.2
CASING	INDOOR UNIT			MATERIAL	GALVANISED STEEL	GALVANISED STEEL
				COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Components Data - Cooling only

MODEL	OUTDOOR UNIT			M5LCX020C	M5LCX025C
	INDOOR UNIT			M5CCX020C	M5CCX025C
INDOOR FAN	TYPE			BLOWER WHEEL	BLOWER WHEEL
	QUANTITY			2	2
	MATERIAL			GALVANISED STEEL	GALVANISED STEEL
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	160 / 6.3	160 / 6.3
	LENGTH		mm/in	202 / 8.0	202 / 8.0
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	4-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	460 / 18
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	670 / 23.5	1130 / 39.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE	SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.20 / 2.187	0.20 / 2.187
		ROW		3	3
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	1	1
		SIZE LENGTH	mm/in	860 / 33.7	995 / 39.2
		SIZE WIDTH	mm/in	195 / 7.7	195 / 7.7
		SIZE THICKNESS	mm/in	5 / 0.2	5 / 0.2
CASING	INDOOR UNIT		MATERIAL	GALVANISED STEEL	GALVANISED STEEL
			COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX010CR	M5LCX015CR
	INDOOR UNIT			M5CCX010CR	M5CCX015CR
INDOOR FAN	TYPE			BLOWER WHEEL	BLOWER WHEEL
	QUANTITY			1	2
	MATERIAL			GALVANISED STEEL	GALVANISED STEEL
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	160 / 6.3	160 / 6.3
	LENGTH		mm/in	202 / 8.0	202 / 8.0
INDOOR FAN MOTOR	TYPE			4-POLE MOTOR	4-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	406 / 16	406 / 16
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER ROTARY	DC INVERTER ROTARY
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3 / fl.oz.	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE	SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.20 / 2.187	0.20 / 2.187
		ROW		3	3
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.35 / 3.780	0.35 / 3.780
		ROW		2	2
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	1	1
		SIZE LENGTH	mm/in	560 / 22.1	700 / 27.6
		SIZE WIDTH	mm/in	195 / 7.7	195 / 7.7
		SIZE THICKNESS	mm/in	5 / 0.2	5 / 0.2
CASING	INDOOR UNIT		MATERIAL	GALVANISED STEEL	GALVANISED STEEL
			COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

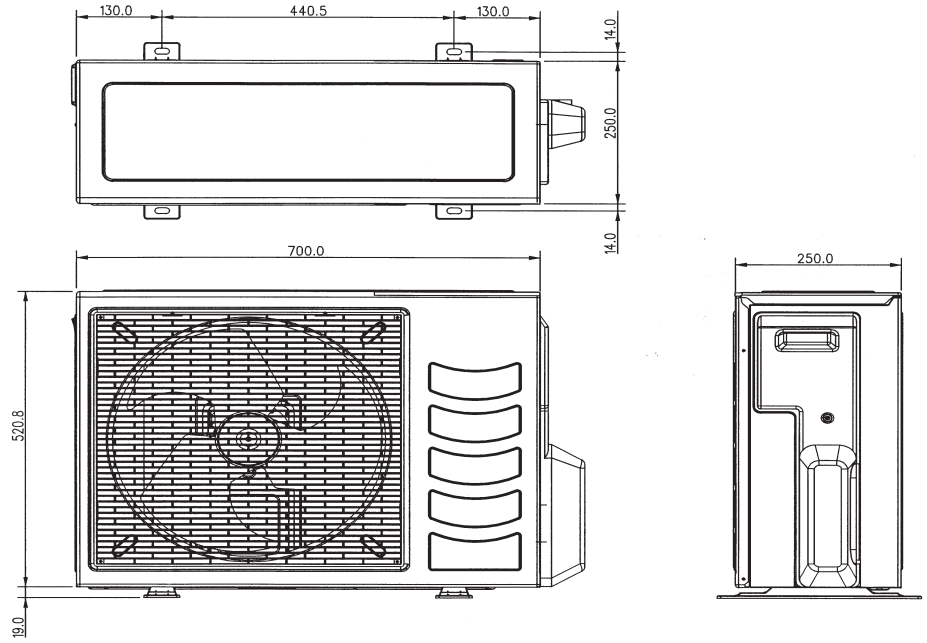
Components Data - Heat pump

MODEL	OUTDOOR UNIT			M5LCX020CR	M5LCX025CR
	INDOOR UNIT			M5CCX020CR	M5CCX025CR
INDOOR FAN	TYPE			BLOWER WHEEL	BLOWER WHEEL
	QUANTITY			2	2
	MATERIAL			GALVANISED STEEL	GALVANISED STEEL
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	160 / 6.3	160 / 6.3
	LENGTH		mm/in	202 / 8.0	202 / 8.0
INDOOR FAN MOTOR	TYPE			6-POLE MOTOR	4-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			-	-
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	460 / 18	460 / 18
OUTDOOR FAN MOTOR	TYPE			6-POLE MOTOR	6-POLE MOTOR
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			DC INVERTER SCROLL	DC INVERTER SCROLL
	OIL TYPE			RB68A / FREOL ALPHA68M	RB68A / FREOL ALPHA68M
	OIL AMOUNT		cm^3/ fl.oz.	670 / 23.5	1130 / 39.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE	SEAMLESS INNER GROOVE
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.20 / 2.187	0.20 / 2.187
		ROW		3	3
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.00 / 0.276	7.00 / 0.276
		THICKNESS	mm/in	0.32 / 0.013	0.32 / 0.013
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC FIN)	ALUMINIUM (HYDROPHILIC FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.62 / 6.670	0.62 / 6.670
		ROW		2	2
		FIN PER INCH		20	20
AIR QUALITY	FILTER	TYPE		SARANET	SARANET
		QUANTITY	pc	1	1
		SIZE LENGTH	mm/in	860 / 33.7	995 / 39.2
		SIZE WIDTH	mm/in	195 / 7.7	195 / 7.7
		SIZE THICKNESS	mm/in	5 / 0.2	5 / 0.2
CASING	INDOOR UNIT		MATERIAL	GALVANISED STEEL	GALVANISED STEEL
			COLOUR	WITHOUT POWDER PAINT	WITHOUT POWDER PAINT
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

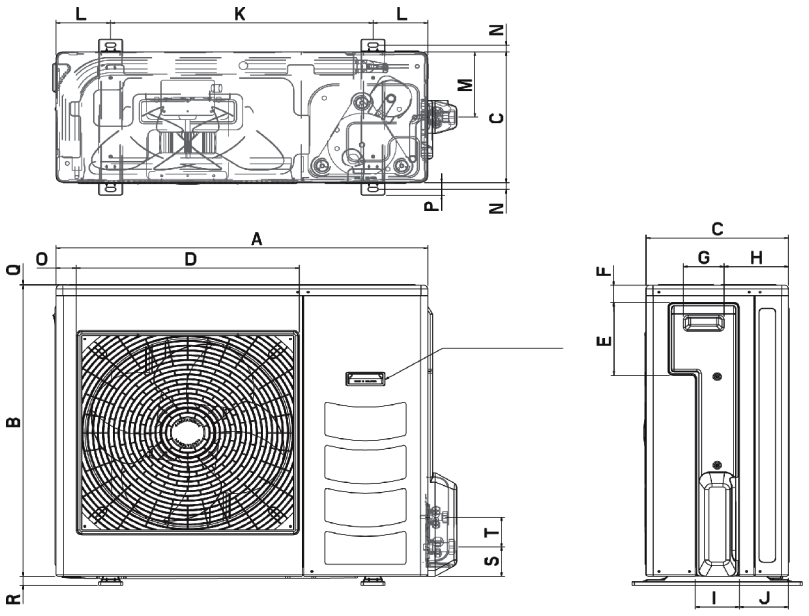
Outline and Dimension

Outdoor Unit
Model: M5LCX010/015C/CR



70014056769	Note: Dimension in mm

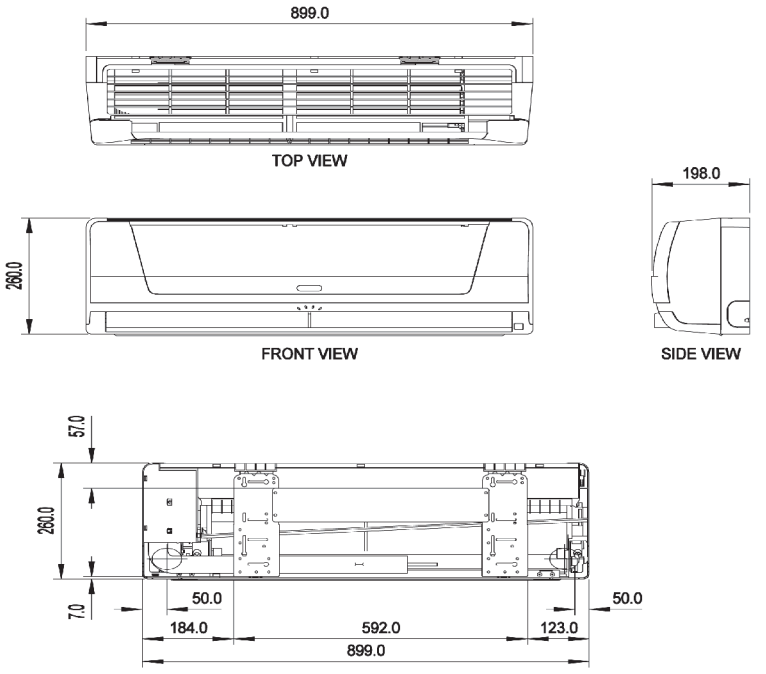
Outdoor Unit
Model: M5LCX020/025C/CR



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
M5LCX020C/CR	855	628	328	508	181	44	93	149	101	113	603	126	164	17	49	32	3	23	73	75
M5LCX025C/CR	855	730	328	513	182	44	93	149	101	113	603	126	164	17	47	32	3	23	73	75

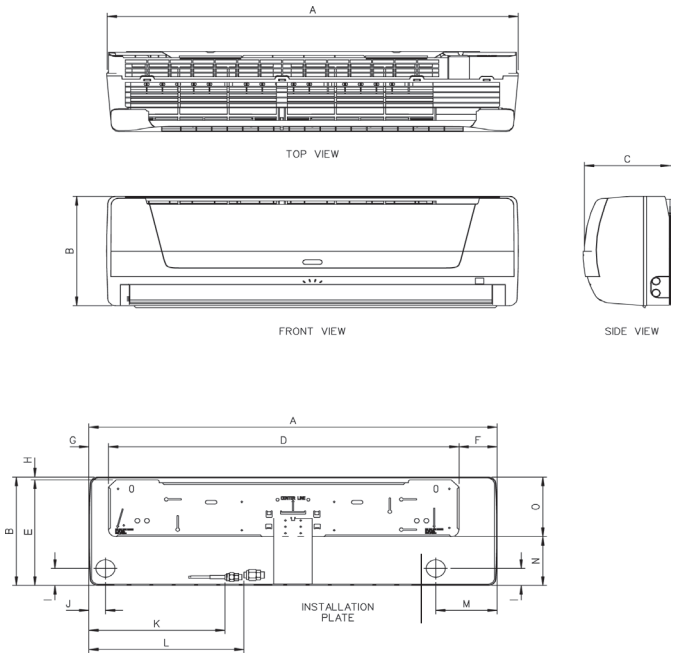
70014056769	Note: Dimension in mm

Indoor Unit
Model: M5WMX010/015G/GR



Note: Dimension in mm

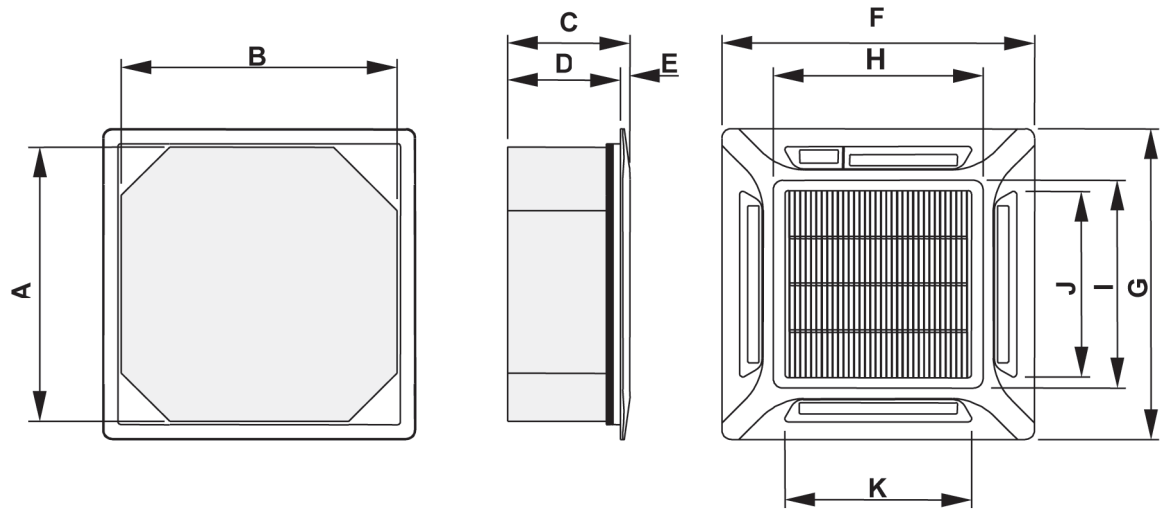
Indoor Unit
Model: M5WMX020/025G/GR



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
M5WMX 020/025G/GR	1062	304	220	912	294	99	51	8	48	43	354	403	160	138	160

Note: Dimension in mm

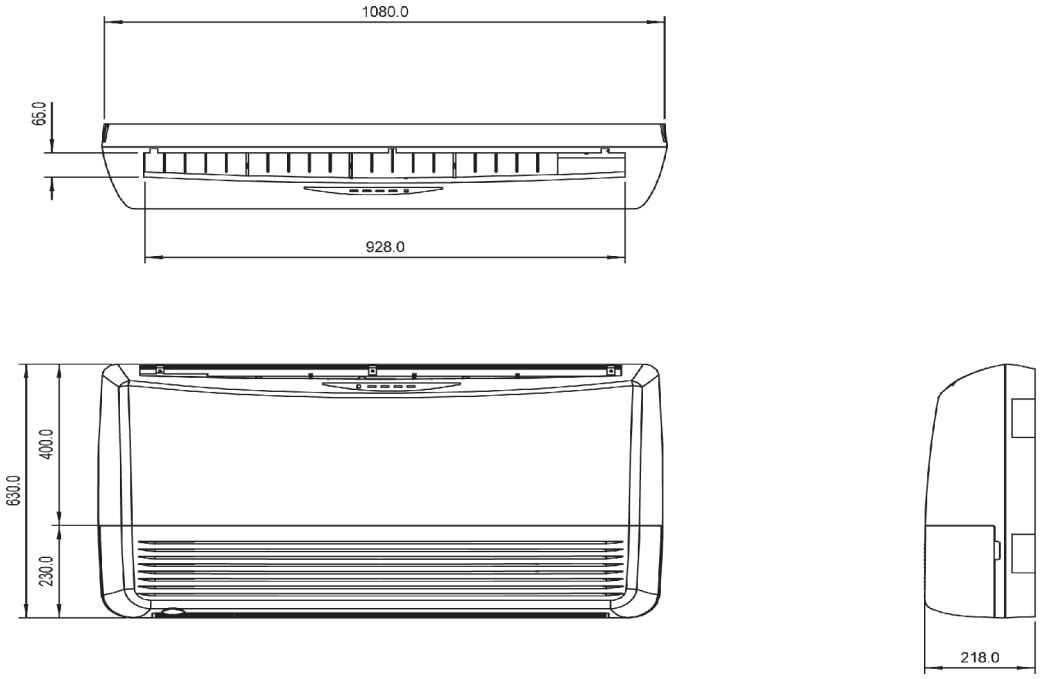
Indoor Unit
Model: M5CKX020/025A/AR, M5CKX010/015/020C/CR



MODEL	A	B	C	D	E	F	G	H	I	J	K
M5CKX-A (All model)	820 (32,3)	820 (32,3)	378 (14,9)	350 (13.7)	28 (1,1)	930 (36.6)	930 (36.6)	626 (24,6)	626 (24,6)	555 (21,8)	555 (21,8)
M5CKX-C (All model)	570 (22,4)	570 (22,4)	295 (11,6)	275 (10,8)	20 (7,8)	640 (25,1)	640 (25,1)	408 (16,0)	408 (16,0)	364 (14,3)	364 (14,3)

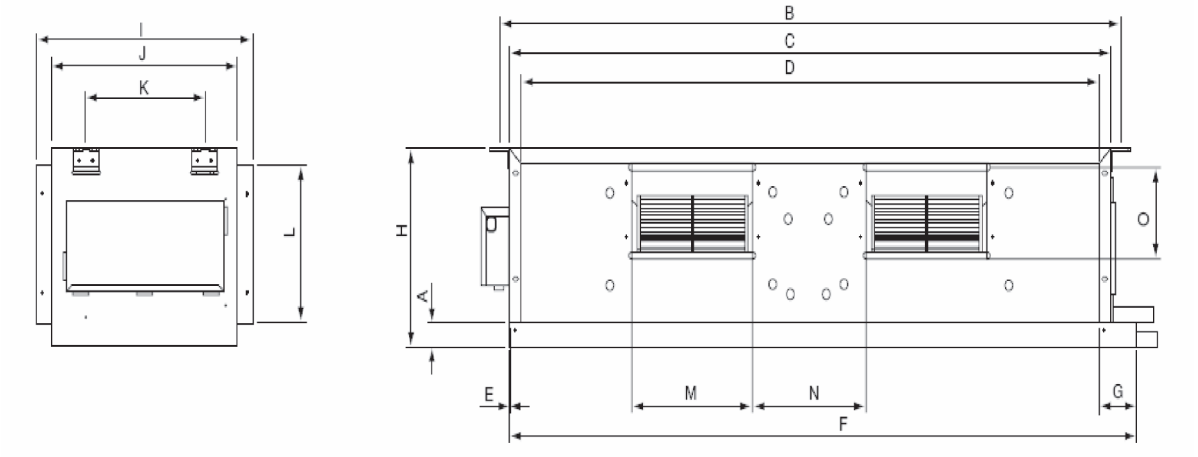
Note: Dimension in mm

Indoor Unit
Model: M5CMX015/020/025E/ER



Note: Dimension in mm

Indoor Unit
Model: M5CCX010/015/020/025C/CR



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
M5CCX010C/CR	31 (1,2)	741 (29,2)	702 (27,6)	662 (26,1)	10 (0,4)	765 (30,1)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)
M5CCX015C/CR	31 (1,2)	881 (34,7)	842 (33,1)	802 (31,6)	10 (0,4)	905 (35,6)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)
M5CCX020C/CR	31 (1,2)	1041 (41,0)	1002 (39,4)	962 (37,9)	10 (0,4)	1065 (41,9)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)
M5CCX025C/CR	31 (1,2)	1176 (46,3)	1137 (44,8)	1097 (43,2)	10 (0,4)	1200 (47,2)	72 (2,8)	261 (10,3)	411 (16,2)	351 (13,8)	225 (8,9)	211 (8,3)	232 (9,1)	212,8 (8,4)	114 (4,5)

Note: Dimension in mm

Electrical Data

Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX010C	M5LCX015C
	INDOOR UNIT		M5WMX010G	M5WMX015G
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	-
	RATED INPUT POWER	W	686	984
	RATED RUNNING CURRENT	A	3.40	5.40
	LOCKED ROTOR AMP.	A	40	40

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX010CR	M5LCX015CR
	INDOOR UNIT		M5WMX010GR	M5WMX015GR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	-
	RATED INPUT POWER (COOLING)	W	686	984
	RATED INPUT POWER (HEATING)	W	886	1159
	RATED RUNNING CURRENT (COOLING)	A	3.40	5.40
	RATED RUNNING CURRENT (HEATING)	A	4.40	4.90
	LOCKED ROTOR AMP.	A	40	40

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Cooling Only (With Torque Control)

MODEL	OUTDOOR UNIT		M5LCX010C	M5LCX015C
	INDOOR UNIT		M5WMX010G	M5WMX015G
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	-	-
	RATED INPUT POWER	W	726	989
	RATED RUNNING CURRENT	A	3.50	4.80
	LOCKED ROTOR AMP.	A	40	40

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Heat pump (With Torque Control)

MODEL	OUTDOOR UNIT		M5LCX010CR	M5LCX015CR
	INDOOR UNIT		M5WMX010GR	M5WMX015GR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	38	40
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	17	17
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	-	-
	RATED INPUT POWER (COOLING)	W	726	989
	RATED INPUT POWER (HEATING)	W	836	929
	RATED RUNNING CURRENT (COOLING)	A	3.50	4.80
	RATED RUNNING CURRENT (HEATING)	A	4.10	4.50
	LOCKED ROTOR AMP.	A	40	40

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Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX020C	M5LCX025C
	INDOOR UNIT		M5WMX020G	M5WMX025G
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	60	76
	RATED RUNNING CURRENT	A	0.31	0.40
	MOTOR OUTPUT	W	40	40
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	-	-
	RATED INPUT POWER	W	1440	1775
	RATED RUNNING CURRENT	A	7.00	9.50
	LOCKED ROTOR AMP.	A	30	30

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX020CR	M5LCX05CR
	INDOOR UNIT		M5WMX020GR	M5WMX025GR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	60	75
	RATED RUNNING CURRENT	A	0.31	0.40
	MOTOR OUTPUT	W	40	40
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	-	-
	RATED INPUT POWER (COOLING)	W	1440	1775
	RATED INPUT POWER (HEATING)	W	1430	1785
	RATED RUNNING CURRENT (COOLING)	A	7.00	9.50
	RATED RUNNING CURRENT (HEATING)	A	6.90	10.00
	LOCKED ROTOR AMP.	A	30	30

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
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Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX020C	M5LCX025C
	INDOOR UNIT		M5CKX020A	M5CKX025A
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	122	138
	RATED RUNNING CURRENT	A	0.53	0.61
	MOTOR OUTPUT	W	35	45
	POLES		6	6
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	50.0	50.0
	RATED INPUT POWER	W	1442	1746
	RATED RUNNING CURRENT	A	6.35	7.65
	LOCKED ROTOR AMP.	A	27	32

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX020CR	M5LCX025CR
	INDOOR UNIT		M5CKX020AR	M5CKX025AR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	122	138
	RATED RUNNING CURRENT	A	0.53	0.61
	MOTOR OUTPUT	W	35	45
	POLES		6	6
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	50.0	50.0
	RATED INPUT POWER (COOLING)	W	1442	1746
	RATED INPUT POWER (HEATING)	W	1441	1768
	RATED RUNNING CURRENT (COOLING)	A	6.35	7.65
	RATED RUNNING CURRENT (HEATING)	A	6.34	7.78
	LOCKED ROTOR AMP.	A	27	32

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX010C	M5LCX015C
	INDOOR UNIT		M5CKX010C	M5CKX015C
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	54	60
	RATED RUNNING CURRENT	A	0.23	0.27
	MOTOR OUTPUT	W	16	18
	POLES		6	6
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	50.0	50.0
	RATED INPUT POWER	W	723	985
	RATED RUNNING CURRENT	A	3.50	4.79
	LOCKED ROTOR AMP.	A	19	24

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
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Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX010CR	M5LCX015CR
	INDOOR UNIT		M5CKX010CR	M5CKX015CR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	54	60
	RATED RUNNING CURRENT	A	0.23	0.27
	MOTOR OUTPUT	W	16	18
	POLES		6	6
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	μF	50.0	50.0
	RATED INPUT POWER (COOLING)	W	723	985
	RATED INPUT POWER (HEATING)	W	833	942
	RATED RUNNING CURRENT (COOLING)	A	3.50	4.79
	RATED RUNNING CURRENT (HEATING)	A	4.10	4.49
	LOCKED ROTOR AMP.	A	19	24

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Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX020C
	INDOOR UNIT		M5CKX020C
INDOOR MOTOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	68
	RATED RUNNING CURRENT	A	0.30
	MOTOR OUTPUT	W	22
	POLES		6
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130
	RATED RUNNING CURRENT	A	0.58
	MOTOR OUTPUT	W	75
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100
	CAPACITOR	μF	50.0
	RATED INPUT POWER	W	1442
	RATED RUNNING CURRENT	A	6.35
	LOCKED ROTOR AMP.	A	27

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Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX020CR
	INDOOR UNIT		M5CKX020CR
INDOOR MOTOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	68
	RATED RUNNING CURRENT	A	0.30
	MOTOR OUTPUT	W	22
	POLES		6
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130
	RATED RUNNING CURRENT	A	0.58
	MOTOR OUTPUT	W	75
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100
	CAPACITOR	μF	50.0
	RATED INPUT POWER (COOLING)	W	1442
	RATED INPUT POWER (HEATING)	W	1441
	RATED RUNNING CURRENT (COOLING)	A	6.35
	RATED RUNNING CURRENT (HEATING)	A	6.34
	LOCKED ROTOR AMP.	A	27

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Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX015C
	INDOOR UNIT		M5CMX015E
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	26
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-
	RATED INPUT POWER	W	1130
	RATED RUNNING CURRENT	A	4.90
	LOCKED ROTOR AMP.	A	24

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Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX015CR
	INDOOR UNIT		M5CMX015ER
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	50
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-
	RATED INPUT POWER (COOLING)	W	1130
	RATED INPUT POWER (HEATING)	W	1000
	RATED RUNNING CURRENT (COOLING)	A	4.90
	RATED RUNNING CURRENT (HEATING)	A	5.80
	LOCKED ROTOR AMP.	A	24

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Electrical Data - Cooling Only (With Torque Control)

MODEL	OUTDOOR UNIT		M5LCX015C
	INDOOR UNIT		M5CMX015E
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	26
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100
	CAPACITOR	μF	-
	RATED INPUT POWER	W	1130
	RATED RUNNING CURRENT	A	4.80
	LOCKED ROTOR AMP.	A	24

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Heat pump (With Torque Control)

MODEL	OUTDOOR UNIT		M5LCX015CR
	INDOOR UNIT		M5CMX015ER
INDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	79
	RATED RUNNING CURRENT	A	0.34
	MOTOR OUTPUT	W	50
	POLES		4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71
	RATED RUNNING CURRENT	A	0.31
	MOTOR OUTPUT	W	35
	POLES		6
COMPRESSOR	INSULATION GRADE		CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100
	CAPACITOR	μF	-
	RATED INPUT POWER (COOLING)	W	1130
	RATED INPUT POWER (HEATING)	W	1000
	RATED RUNNING CURRENT (COOLING)	A	4.80
	RATED RUNNING CURRENT (HEATING)	A	4.50
	LOCKED ROTOR AMP.	A	24

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Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX020C	M5LCX025C
	INDOOR UNIT		M5CMX020E	M5CMX025E
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	101	109
	RATED RUNNING CURRENT	A	0.46	0.49
	MOTOR OUTPUT	W	50	65
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	50.0
	RATED INPUT POWER	W	1442	1746
	RATED RUNNING CURRENT	A	6.35	7.65
	LOCKED ROTOR AMP.	A	30	30

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Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX020CR	M5LCX025CR
	INDOOR UNIT		M5CMX020ER	M5CMX025ER
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	101	109
	RATED RUNNING CURRENT	A	0.46	0.49
	MOTOR OUTPUT	W	50	65
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	170
	RATED RUNNING CURRENT	A	0.58	0.75
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	50.0
	RATED INPUT POWER (COOLING)	W	1442	1746
	RATED INPUT POWER (HEATING)	W	1441	1768
	RATED RUNNING CURRENT (COOLING)	A	6.35	7.65
	RATED RUNNING CURRENT (HEATING)	A	6.34	7.78
	LOCKED ROTOR AMP.	A	30	30

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Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX010C	M5LCX015C
	INDOOR UNIT		M5CCX010C	M5CCX015C
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	65	96
	RATED RUNNING CURRENT	A	0.29	0.42
	MOTOR OUTPUT	W	30	50
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	-
	RATED INPUT POWER	W	683	980
	RATED RUNNING CURRENT	A	3.37	4.89
	LOCKED ROTOR AMP.	A	19	24

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Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX010CR	M5LCX015CR
	INDOOR UNIT		M5CCX010CR	M5CCX015CR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	65	96
	RATED RUNNING CURRENT	A	0.29	0.42
	MOTOR OUTPUT	W	30	50
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	56	71
	RATED RUNNING CURRENT	A	0.24	0.31
	MOTOR OUTPUT	W	25	35
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	-
	RATED INPUT POWER (COOLING)	W	683	980
	RATED INPUT POWER (HEATING)	W	833	1155
	RATED RUNNING CURRENT (COOLING)	A	3.37	4.89
	RATED RUNNING CURRENT (HEATING)	A	4.37	5.79
	LOCKED ROTOR AMP.	A	19	24

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Electrical Data - Cooling Only

MODEL	OUTDOOR UNIT		M5LCX020C	M5LCX025C
	INDOOR UNIT		M5CMX020C	M5CMX025C
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	135	152
	RATED RUNNING CURRENT	A	0.60	0.67
	MOTOR OUTPUT	W	80	100
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	-
	RATED INPUT POWER	W	1415	1746
	RATED RUNNING CURRENT	A	6.35	7.65
	LOCKED ROTOR AMP.	A	27	63

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Electrical Data - Heat pump

MODEL	OUTDOOR UNIT		M5LCX020CR	M5LCX025CR
	INDOOR UNIT		M5CMX020CR	M5CMX025CR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	135	152
	RATED RUNNING CURRENT	A	0.60	0.67
	MOTOR OUTPUT	W	80	100
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	130	140
	RATED RUNNING CURRENT	A	0.58	0.58
	MOTOR OUTPUT	W	75	80
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	0 - 300 / 3 / 0-100	0 - 300 / 3 / 0-100
	CAPACITOR	µF	-	-
	RATED INPUT POWER (COOLING)	W	1415	1746
	RATED INPUT POWER (HEATING)	W	1414	1768
	RATED RUNNING CURRENT (COOLING)	A	6.35	7.65
	RATED RUNNING CURRENT (HEATING)	A	6.34	7.78
	LOCKED ROTOR AMP.	A	27	63

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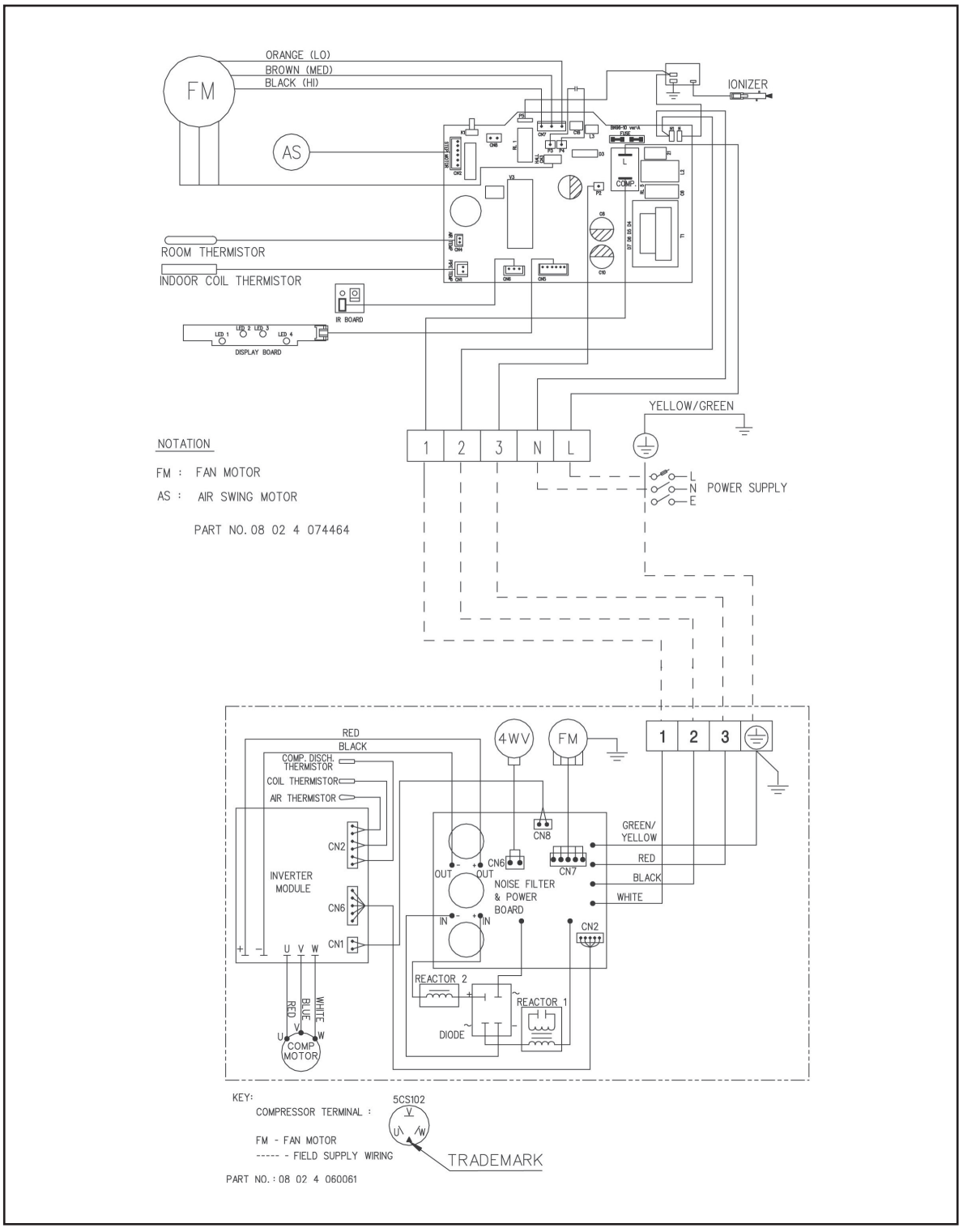
Wiring Diagram

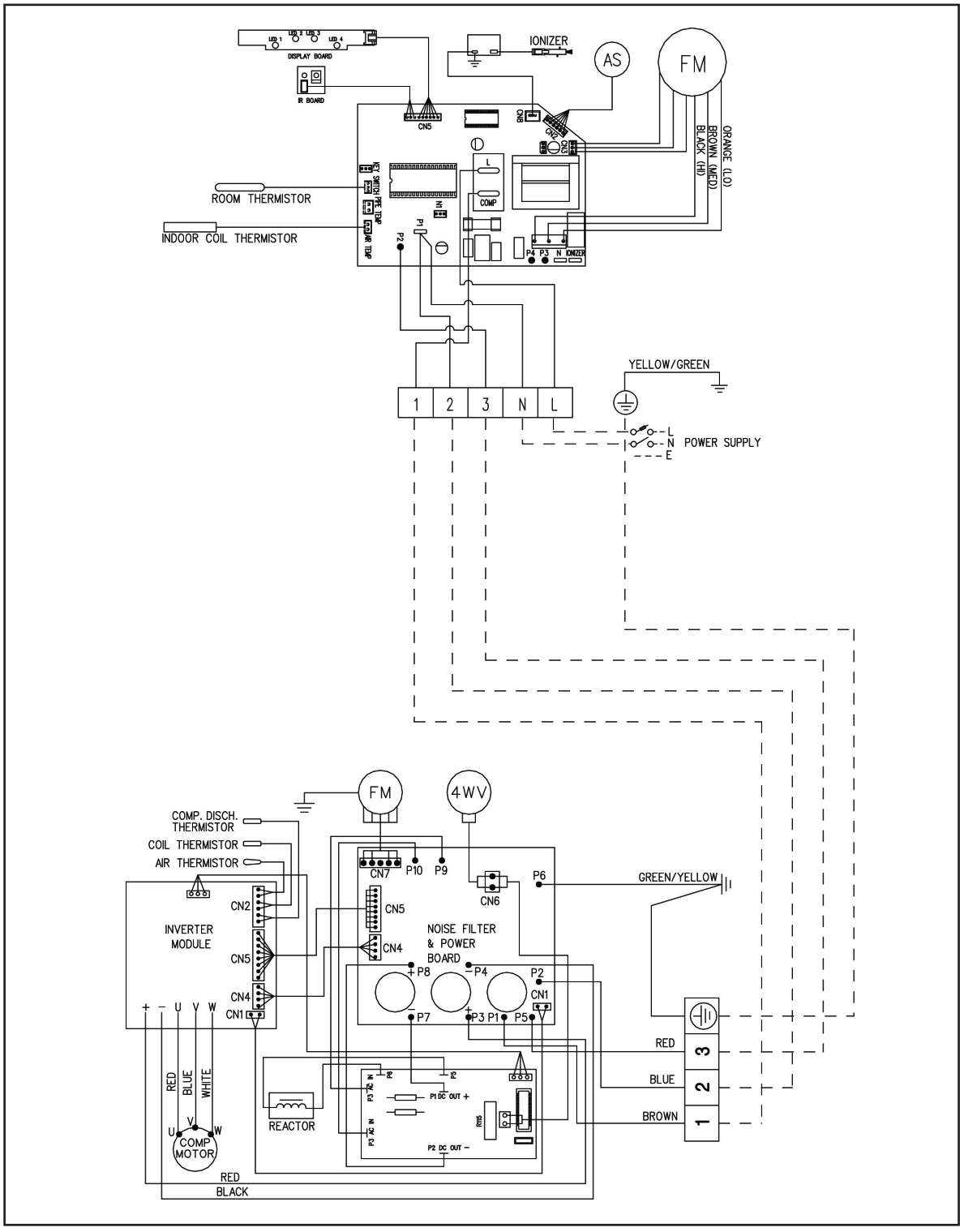
Outdoor Unit
Model: M5LCX010/015C/CR

Indoor Unit
Model: M5WMX010/015G/GR



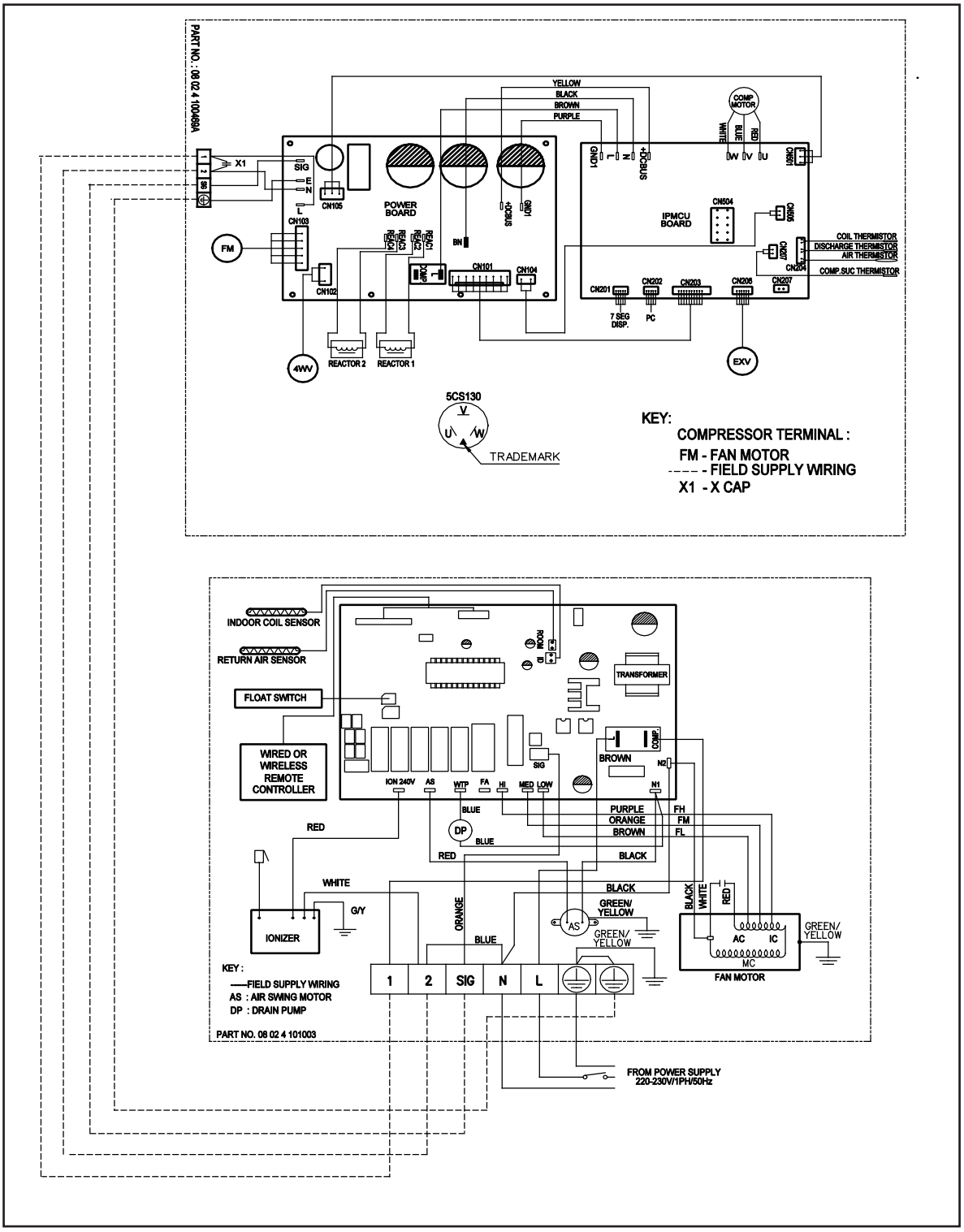
Outdoor Unit
Model: M5LCX020/025C/CR

Indoor Unit
Model: M5WMX020/025G/GR



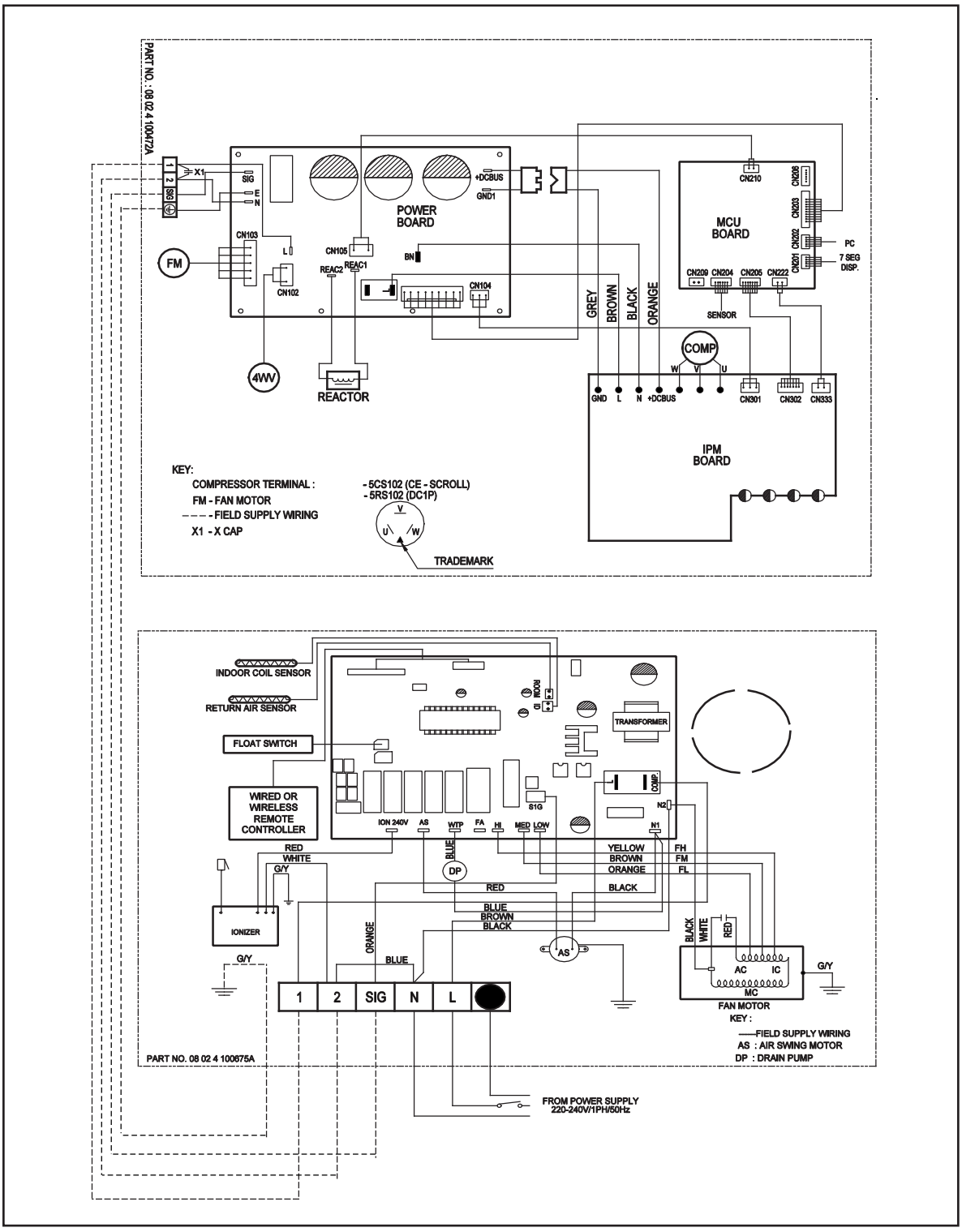
Outdoor Unit
Model: M5LCX020/025C/CR

Indoor Unit
Model: M5CKX020/025A/AR



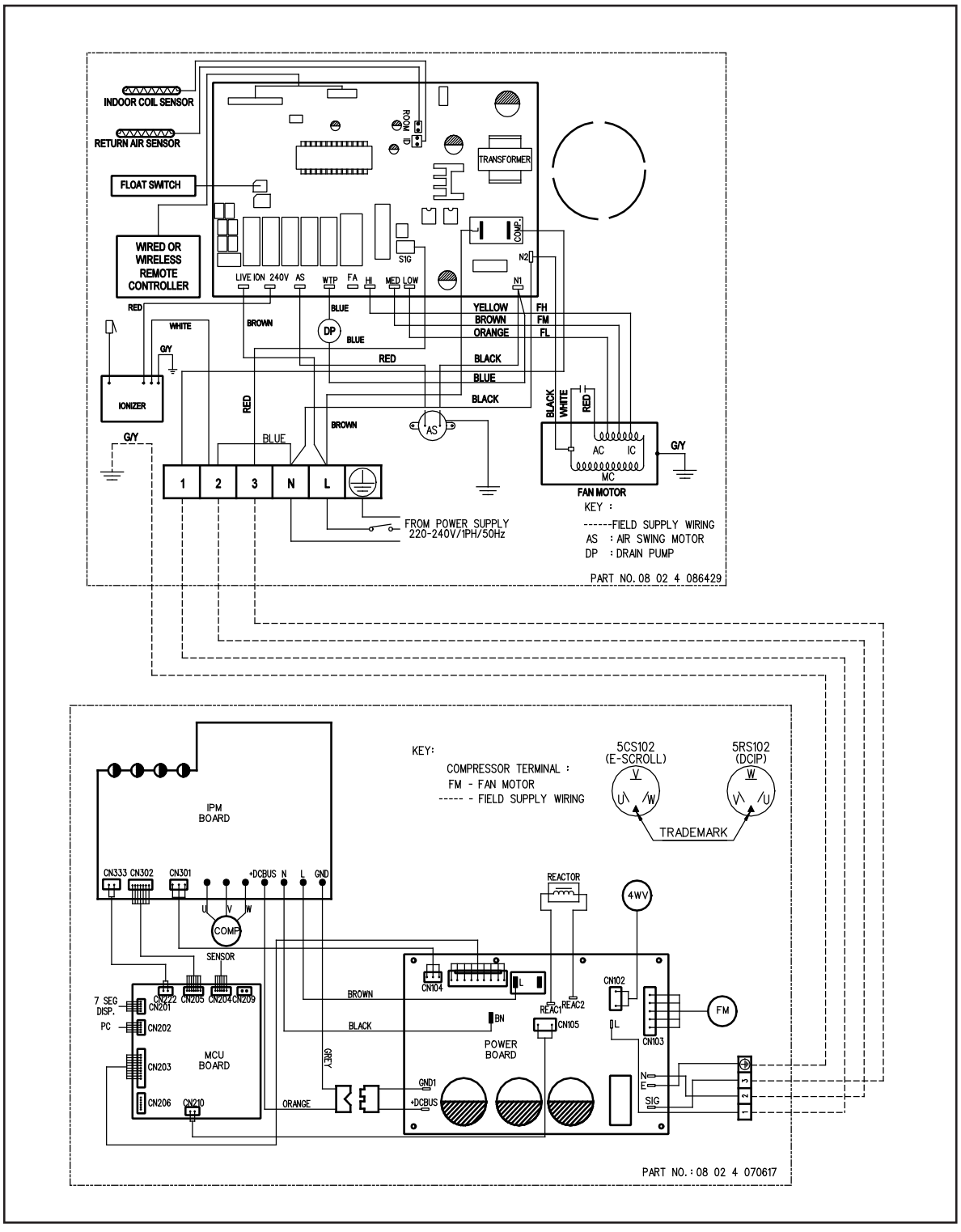
Outdoor Unit
Model: M5LCX010/015C/CR

Indoor Unit
Model: M5CKX010/015C/CR



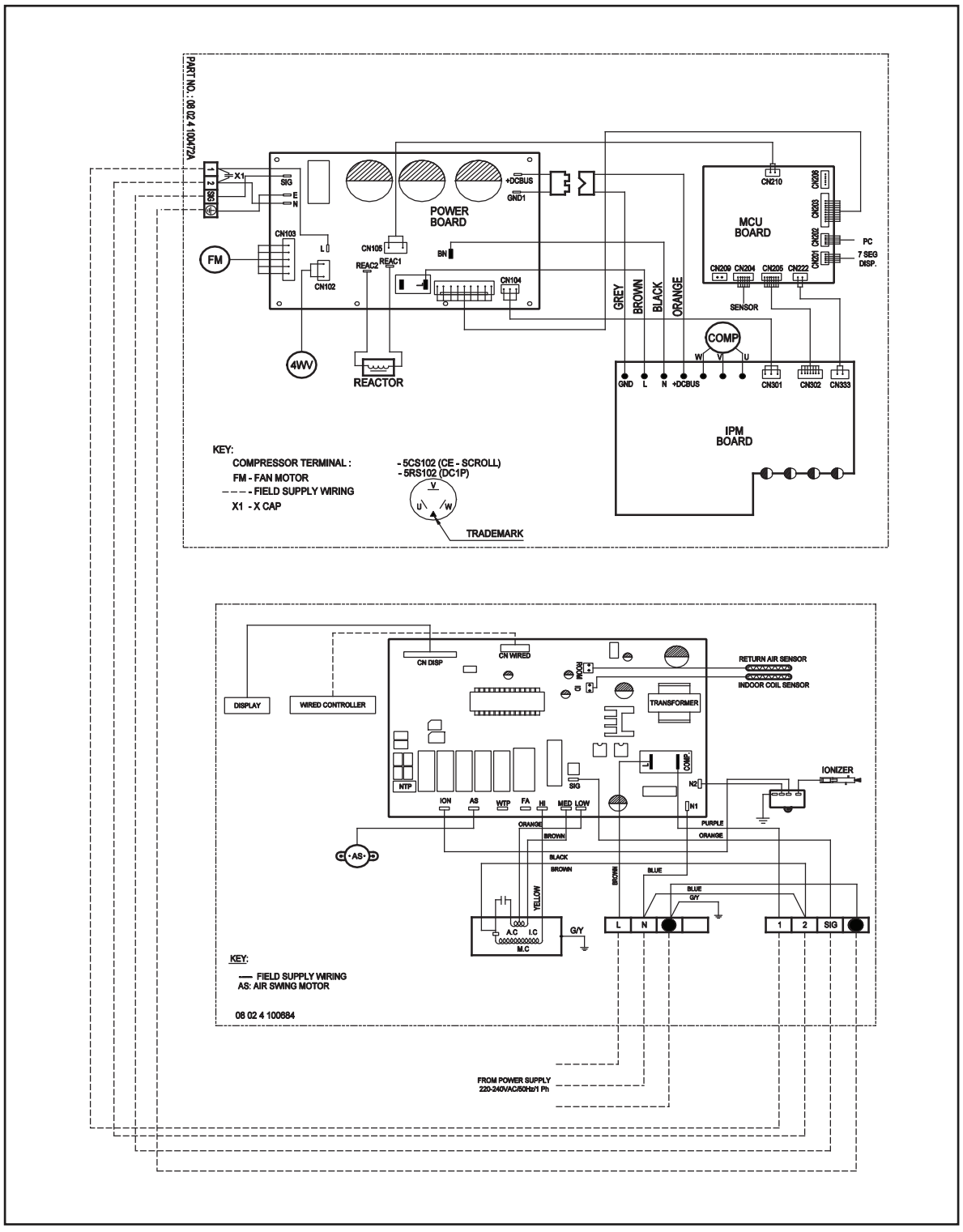
Outdoor Unit
Model: M5LCX020C/CR

Indoor Unit
Model: M5CKX020C/CR



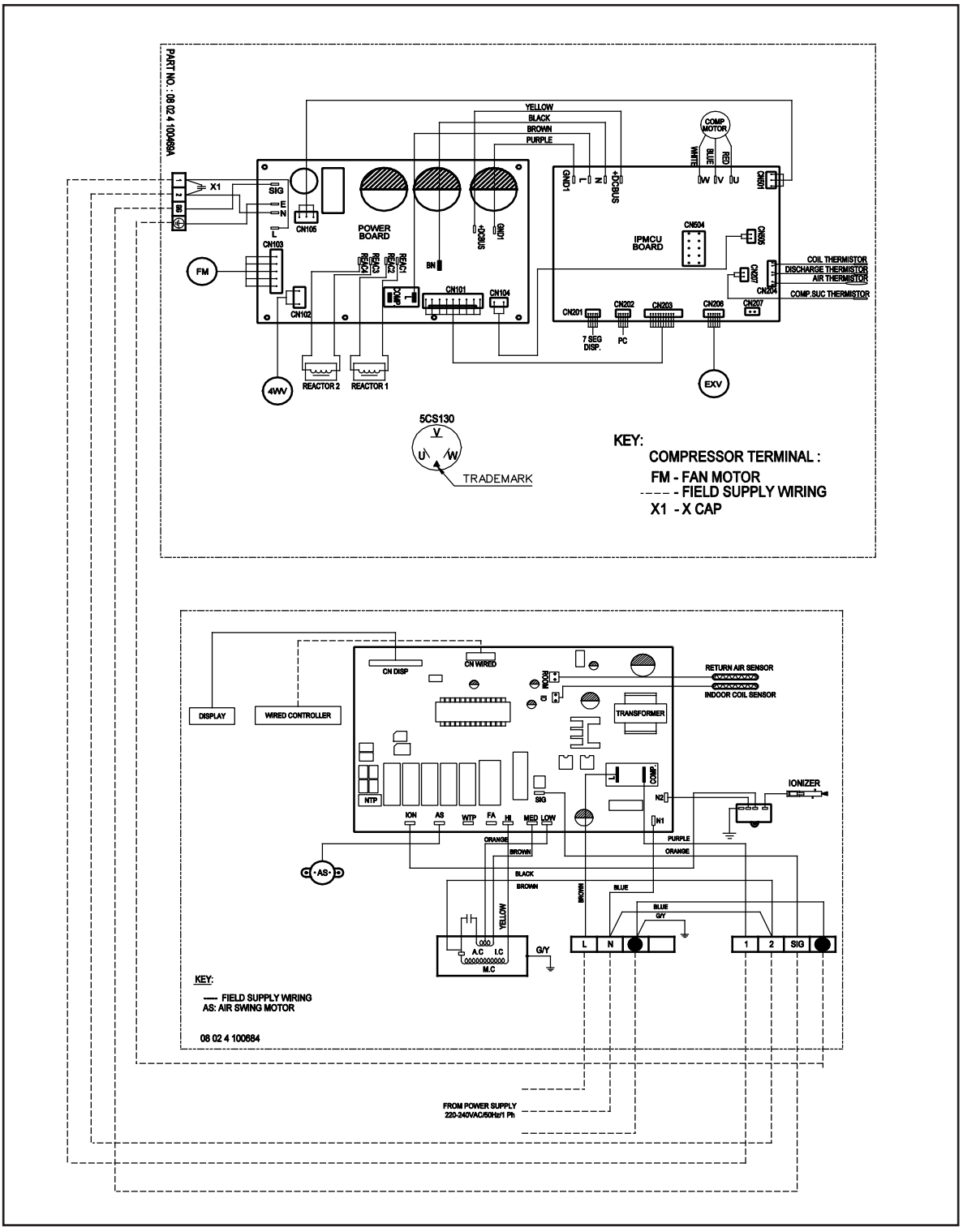
Outdoor Unit
Model: M5LCX015C/CR

Indoor Unit
Model: M5CMX015E/ER



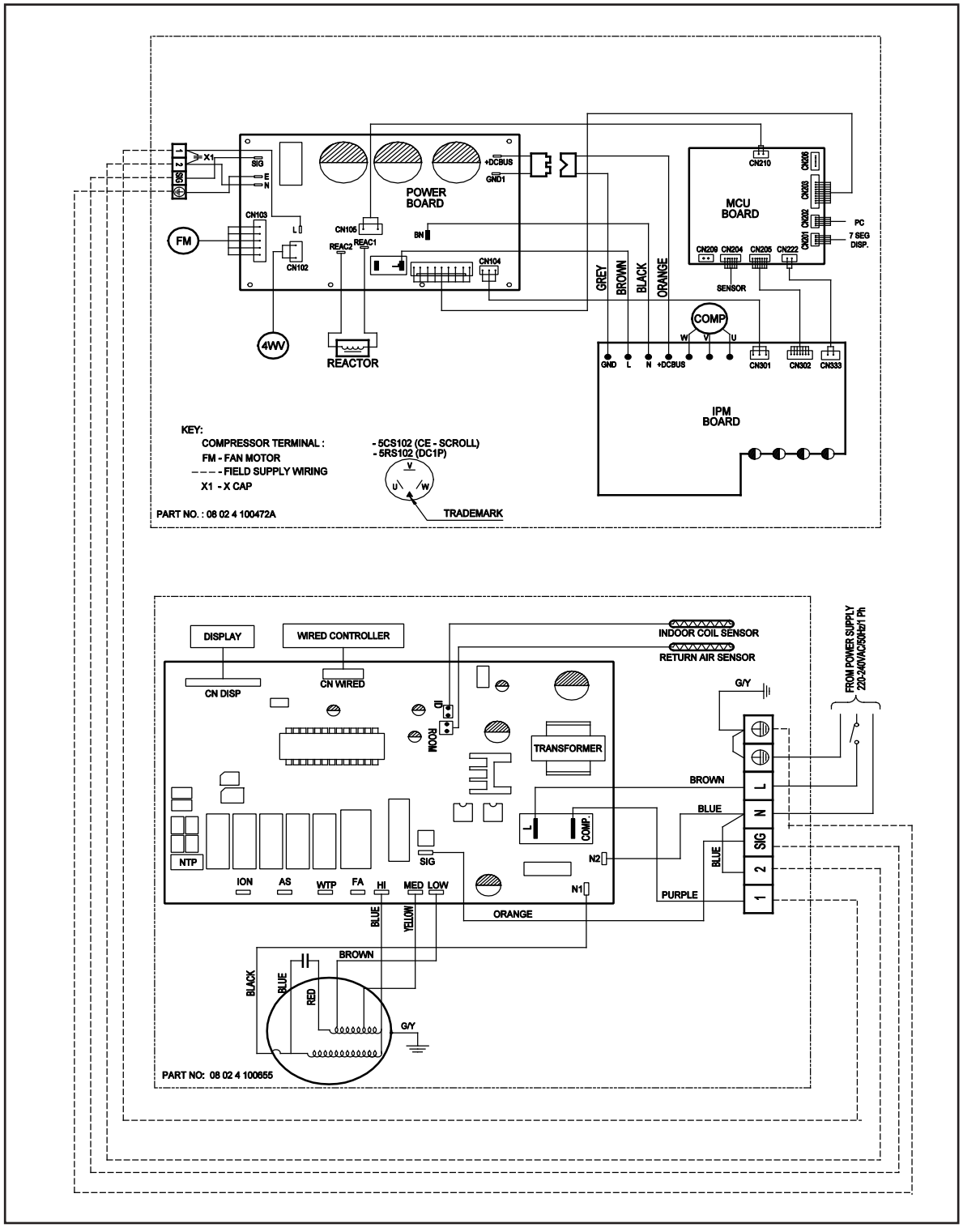
Outdoor Unit
Model: M5LCX020/025C/CR

Indoor Unit
Model: M5CMX020/025E/ER



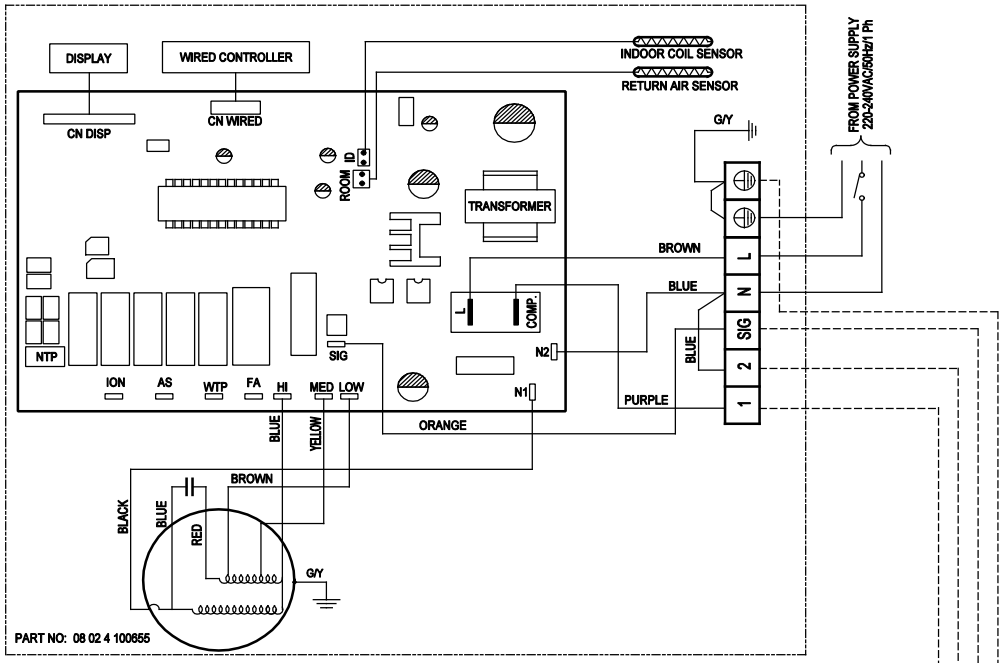
Outdoor Unit
Model: M5LCX010/015C/CR

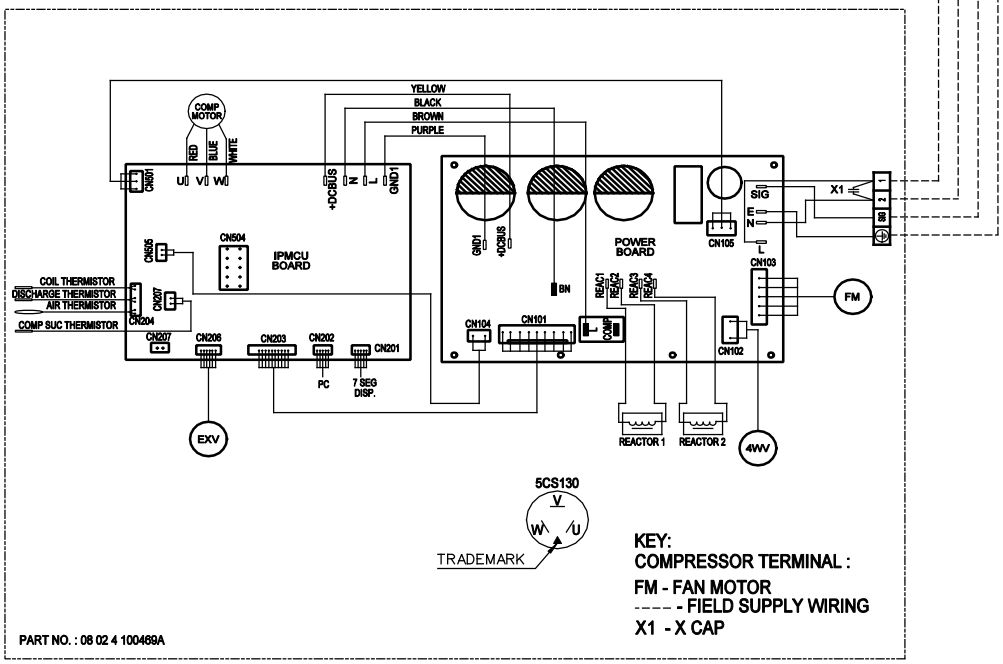
Indoor Unit
Model: M5CCX010/015C/CR



Outdoor Unit
Model: M5LCX020/025C/CR

Indoor Unit
Model: M5CCX020/025C/CR





Servicing And Maintenance

⚠ Caution

- Disconnect from the main power supply before servicing the air conditioner unit.
- DO NOT pull out the power cord when the power is ON. This may cause serious electrical shocks which may result in fire hazards.

Service Parts	Maintenance Procedures	Period
Indoor Air Filters	1.Remove any dust adhering to the filter by using a vacuum cleaner or wash in lukewarm water (below 40ºC/104ºF) with a neutral cleaning detergent. 2.Rinse the filter well and dry before placing it back onto the unit. 3.Do not use gasoline, volatile substances or chemicals to clean the filter	At least once every 2 weeks. More frequently if necessary.
Indoor Unit	1.Clean any dirt or dust on the grille or panel by wiping it with a soft cloth soaked in lukewarm water (below 40ºC/104ºF) and a neutral detergent solution. 2.Do not use gasoline, volatile substances or chemicals to clean the indoor unit.	At least once every 2 weeks. More frequently if necessary.
Condensate Drain Pan and Pipe	1.Check and clean.	Every 3 months.
Indoor Fan	1.Check for unusual noise.	As necessary
Indoor/Outdoor Coil	1.Check and remove dirt which is clogged between fins. 2.Check and remove obstacles which hinder air flow in and out of indoor/outdoor unit.	Every month. Every month.
Electrical	1.Check voltage, current and wiring. 2.Check faulty contacts caused by loose connections, foreign matters, etc.	Every 2 months Every 2 months
Compressor	1.No maintenance needed if refrigerant circuit remains sealed. However, check for refrigerant leak at joints and fittings.	Every 6 months.
Compressor Lubrication	1.Oil is factory charged. Not necessary to add oil if circuit remains sealed.	No maintenance required.
Fan Motors Lubrication	1.All motors pre-lubricated and sealed at factory.	No maintenance required.

Troubleshooting

When a malfunction of the air conditioner unit is detected, immediately switch off the main power supply before proceeding with the following troubleshooting procedures. The following are common fault conditions and simple troubleshooting tips. If any other fault conditions which are not listed occur, contact your nearest local dealer. DO NOT attempt to troubleshoot the unit by yourself.

No	Fault Conditions	Possible causes / corrective actions
1	The air conditioner unit will not resume after power failure.	• The air conditioner unit has a 3 minutes restart protection. Please wait for the unit to restart by leaving the main power on.
2	The compressor does not operate 3 minutes after the air conditioner unit is started.	• Protection against frequent starting. • Wait for 3 or 4 minutes for the compressor to start operating by it self.
3	The airflow is too slow or room cannot be cooled sufficiently.	• The air filter is dirty. • The doors and windows are opened. • The air suction and discharge of both indoor and outdoor units are clogged or blocked. • The regulated temperature or temperature setting is not low enough.
4	Discharge airflow has bad odor.	• Odour may be cause by cigarettes, smoke particles, perfume and others, which might have adhered onto the coil. • Contact your nearest dealer.
5	Condensation on the front air grille of the indoor unit.	• This is caused by air humidity after an extended period of operation. • The set temperature is too low. Increase the temperature setting and operate the unit at high fan speed.
6	Water flowing out from the air conditioner.	• Switch off the unit and contact your nearest dealer. This might be due to tilted installation.
7	Hissing airflow sound from the air conditioner unit during operation.	• Liquid refrigerant flowing into the evaporator coil.
8	The wireless controller display is dim.	• The batteries are discharged. • The batteries are not correctly inserted. • The assembly is not good.
9	Compressor operates continuously.	• Dirty air filter. Clean the air filter. • Temperature setting too low (cooling). Use higher temperature setting.
10	No cool air comes out during cooling cycle, or no hot air comes out during heating cycle.	• Temperature setting too high (cooling). Use lower temperature setting. Temperature setting too low (heating). Use higher temperature setting.
11	On heating cycle, warm air does not come out.	• Unit is in defrost mode. Heating operation will resume after defrost cycle ends.

Diagnostic Guidelines

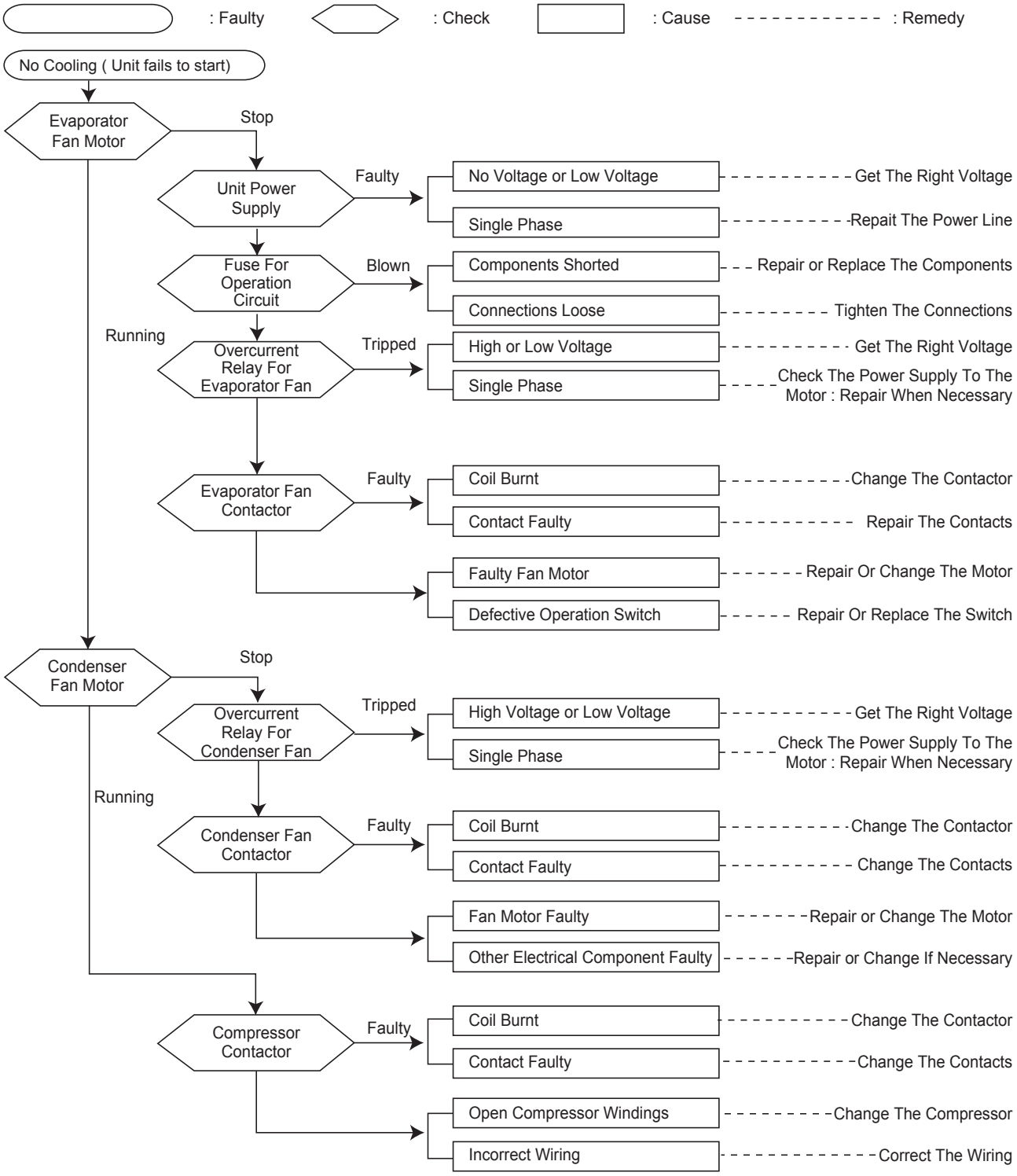
By means of pressure reading:

Data / Circuit	Pressure					Probable cause
	Too low	A little low	Normal	A little high	Too high	
High side **Low side**					• •	1. Overcharged with refrigerant. 2. Non-condensable gases in refrigerant circuit (e.g. air) 3. Obstructed air-intake / discharge. 4. Hot air short circuiting in outdoor unit.
High side **Low side**	•				•	1. Poor compression / no compression (compressor defective) 2. Reversing valve leaking.
High side **Low side**	•	•				1. Undercharged with refrigerant. 2. Refrigerant leakage. 3. Air filter clogged / dirty (indoor unit). 4. Indoor fan locked / seized. 5. Defective defrost control, outdoor coil freeze up (heating). 6. Outdoor fan locked / seized (heating).
High side **Low side**				•	•	1. Outdoor fan blocked (cooling). 2. Outdoor coil dirty (cooling). 3. Indoor fan locked / seized (heating). 4. Indoor air filter clogged / dirty (heating). 5. Non-condensable gases in refrigerant circuit (e.g. air)
High side **Low side**				•	•	1. Air intake temperature of indoor unit too high.

By means of diagnostic flow chart:

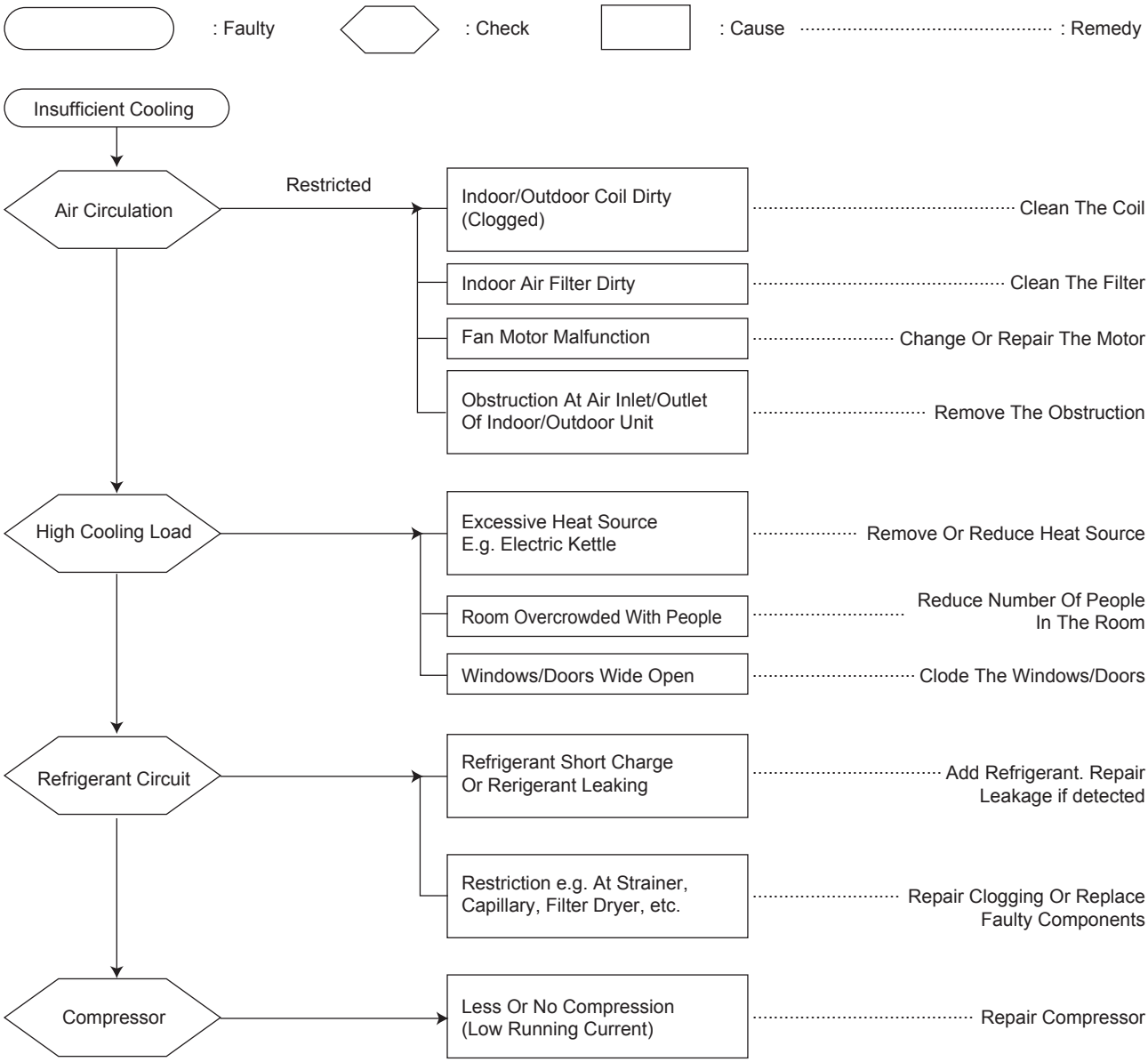
Generally, there are two kinds of problems, i.e. starting failure and insufficient cooling. “Starting failure” is caused by electrical defect while improper application or defects in refrigerant circuit causes “Insufficient cooling ”.

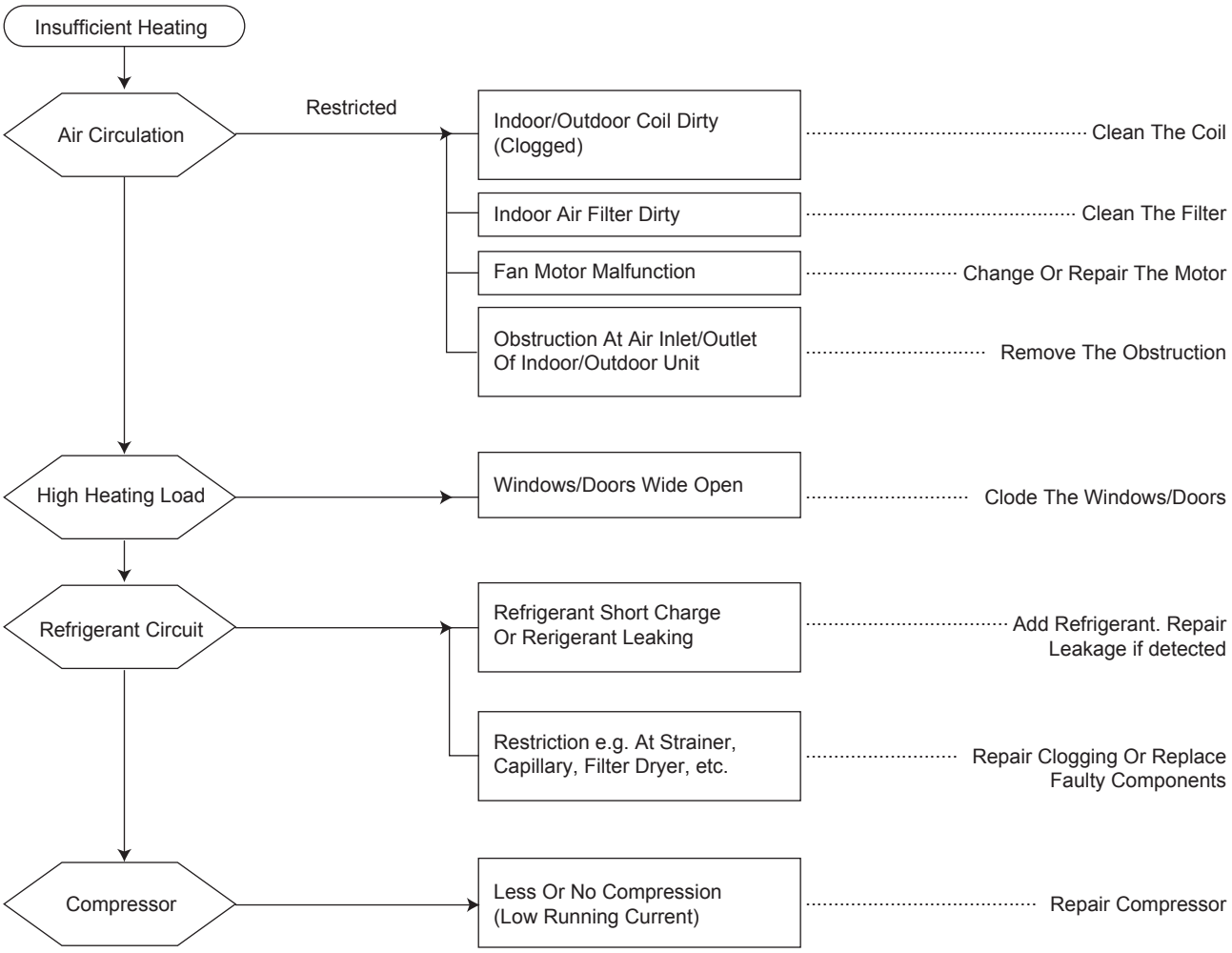
i) Diagnosis of Electric Circuit



ii) Diagnosis of Refrigerant Circuit / Application

There might be some causes where the unit starts running but does not perform satisfactorily, i.e. insufficient cooling. Judgement could be made by measuring temperature difference of indoor unit's intake and discharge air as well as running current.





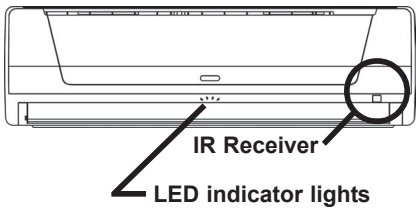
Satisfactory operation with temperature difference of air intake & discharge of indoor unit
14°C to 20°C. *
(* value is for reference only)

Indicator Lights

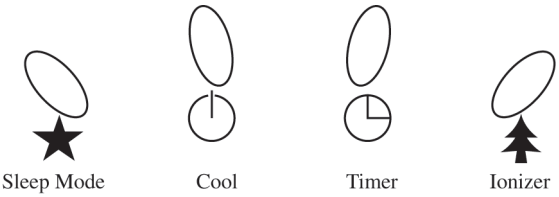
IR Signal Receiver

When an infrared remote control operating signal has been transmitted, the signal receiver on indoor unit will made a (beep) sound to comfirm acceptance of the signal transmission. The table shows the LED indicator lights for the indoor air conditioner unit under normal operation and fault conditions. The LED indicator lights are located at the middle of the air conditioner unit for 5WMX-G/GR serires.

Inverted Cooling/Heatpump Unit



LED Indicator Lights for Cooling Unit



Led Indicator Lights : Normal Operation And Faulty Indication Table

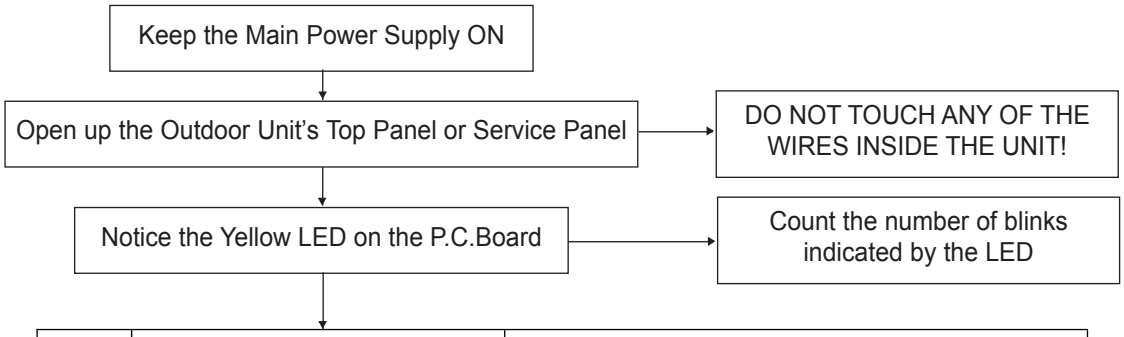
SLEEP MODE	COOL/ HEAT	TIMER	IONIZER	Normal Operation / Fault Indication	Action
○/●	○ Green		○/●	Cooling mode	-
○/●	○ Red		○/●	Heat mode / Standby mode (only for heat pump model)	-
○/●	○ Orange		○/●	Auto mode in operation	-
	○	○		Timer on	-
○	○			Sleep mode on	-
	○		○	Fan mode on	-
	○		○/●	Dry mode on	-
	○		○/●	Ionizer on	-
	◑ Red			Defrost operation	-
	◑ Green			Indoor temperature sensor/short	Call your dealer
		◑		Coil temperature sensor loose/short	Call your dealer
			◑	Outdoor temperature sensor loose/short	Call your dealer
◑	◑ Green			Compressor overload protection	Call your dealer
	◑ Green		◑	IPM/PFC error	Call your dealer
		◑	◑	Outdoor total current trip/DC peak	Call your dealer
◑			◑	Compressor overheat/Gas Leak	Call your dealer
	◑ Green	◑		Indoor fan feedback error	Call your dealer
◑		◑		Communication error between indoor and outdoor	Call your dealer

○ ON ○/● ON or OFF ◑ BLINK

To add: "/ Standby mode (only for heat pump model)"

Compressor Stopped Troubleshooting Instructions

(Applicable to Inverter System Only)

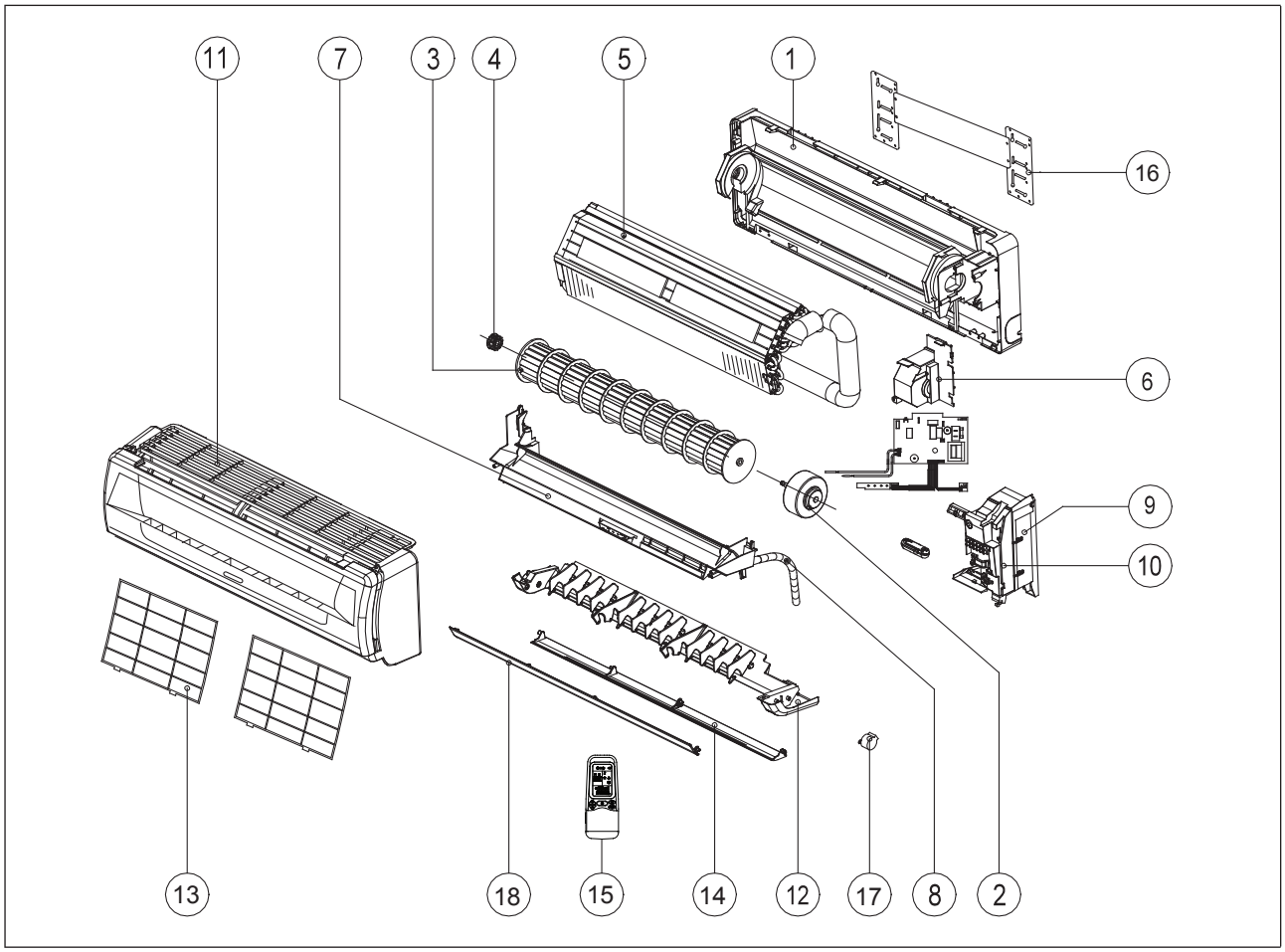

Keep the Main Power Supply ON
Open up the Outdoor Unit's Top Panel or Service Panel
DO NOT TOUCH ANY OF THE WIRES INSIDE THE UNIT!
Notice the Yellow LED on the P.C.Board
Count the number of blinks indicated by the LED

Blink	Fault Indication	Corrective Action
1	OutdoorAmbient Sensor Error	Check ambient sensor wire and connection
2	Outdoor Coil Sensor Error	Check coil sensor wire and connection
3	Outdoor Discharge Sensor Error / Compressor Overheat Indication	Check discharge sensor wire and connection / Not enough refrigerant / Indoor overload / Outdoor fan not functioning
4	DC Compressor Feedback	Call local dealer
5	Communication Error	Check Interconnection communication wire
6	Over Current	Call local dealer
7	No Load	Check compressor wire and connection
8	Over / UnderVoltage	Check power supply
9	DC Compressor Start Failure	Call local dealer
10	Cooling Overload	Check whether outdoor unit is blocked or not
11	Defrost	Wait till defrost is over then restart
12	IPM Protection	Check IPM
13	EEPROM Read Error	Change EEPROM
14	EEPROM Write Error	Change EEPROM
17	Outdoor Suction Sensor Error	Check suction sensor wire and connection

*If the problem persist, contact your local dealer straight away

Exploded View And Parts List

INDOOR UNIT
MODEL : M5WMX010/015G/GR

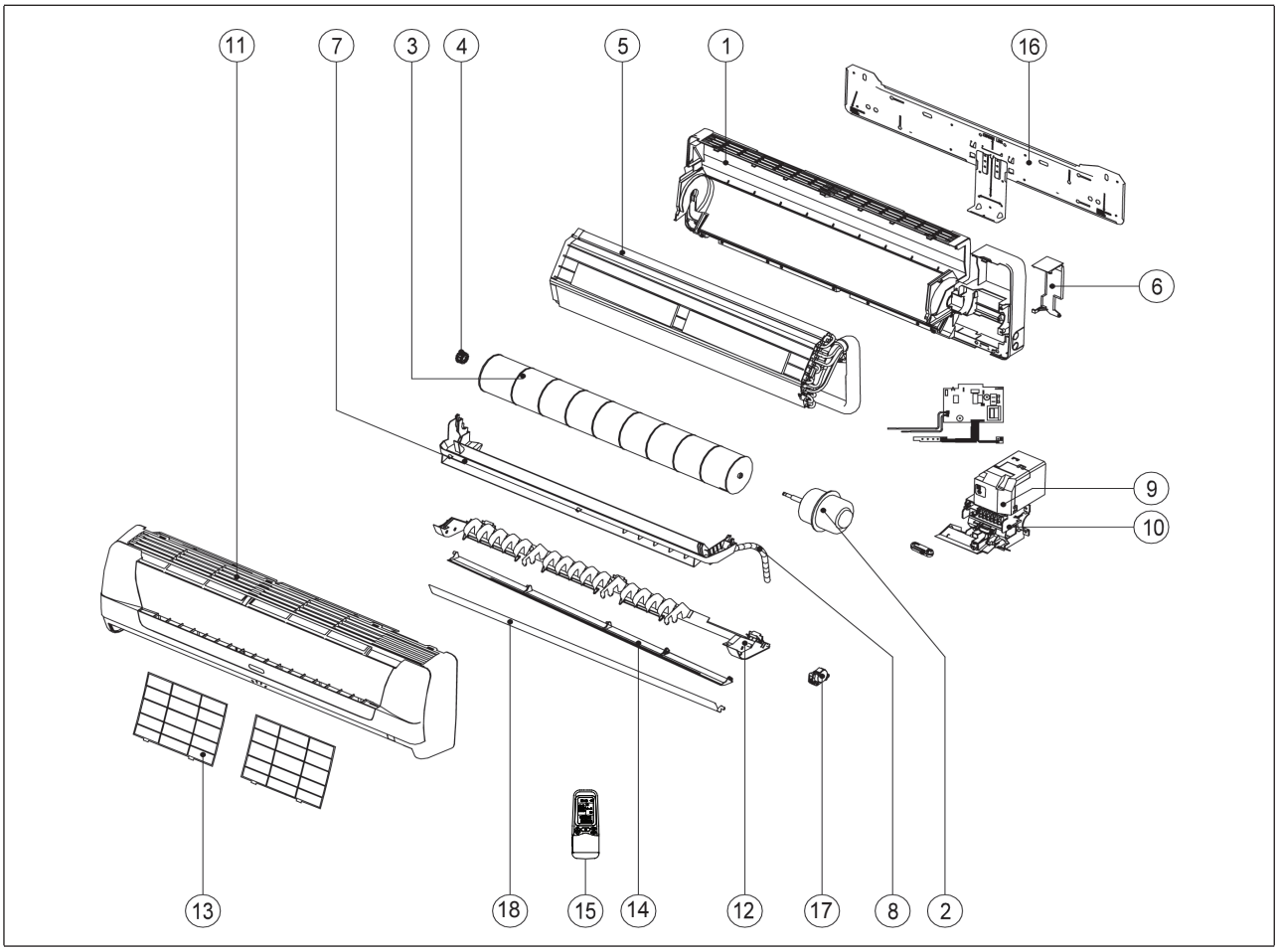


No	Description	Part Number
1	Assy. Chassis	R50124064151
2	Motor, Blower	R03039022520
3	Blower	R03029019461
4	Bush, Fan	R11014029514
5	Assy. Heat Exchanger	
	M5WMX - 010G/GR	R50024064225
	M5WMX - 015G/GR	R50024066054
6	Piping Clamp	R12014060544
7	Assy. Drain Pan	R50124064152
8	Drain Hose	R10024018204
9	Assy. Control Box Cover	R50124074815
10	Assy. Control Box	
	M5WMX - 010G	R50044100701
	M5WMX - 010GR	R50044100703
	M5WMX - 015G	R50044100702
	M5WMX - 015GR	R50044100704

No	Description	Part Number
11	Assy. Front Cover A	R50124085074
12	Assy. Air Discharge	R50124062326
13	Air Filter	R12014062321
14	Louver, Bottom	R12014061364
15	Handset, Wireless G17	
	M5WMX - 010G	R04084100950
	M5WMX - 010GR	R04084100949
	M5WMX - 015G	R04084100950
	M5WMX - 015GR	R04084100949
16	Assy. Mounting Plate	R50014062324
17	Motor, Air Swing	R03039021375
18	Louver, Top	R12014061363

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL : M5WMX020/025G/GR



No	Description	Part Number
1	Assy. Chassis	R50124068170
2	Motor, Blower	R50034074747
3	Blower	R03029029158
4	Bush, Fan	R11014023775
5	Assy. Heat Exchanger	R50024072203
6	Piping Clamp	R12014071297
7	Assy. Drain Pan	R50124068171
8	Drain Hose	R10024015319
9	Assy. Control Box Cover	R50124074814
10	Assy. Control Box	
	M5WMX - 020G	R50044100705
	M5WMX - 020GR	R50044100707
	M5WMX - 025G	R50044100706
	M5WMX - 025GR	R50044100708

No	Description	Part Number
11	Assy. Front Cover A	R50124074743
12	Assy. Air Discharge	R50124071426
13	Air Filter	
	Nanosilver	R12014080142
	Nanovis	R12014080144
14	Louver, Bottom	R12014066821
15	Handset, Wireless G17	
	M5WMX - 010G	R04084100950
	M5WMX - 010GR	R04084100949
	M5WMX - 015G	R04084100950
	M5WMX - 015GR	R04084100949
16	Assy. Mounting Plate	R50014036133
17	Motor, Air Swing	R03039022933
18	Louver, Top	R12014066820

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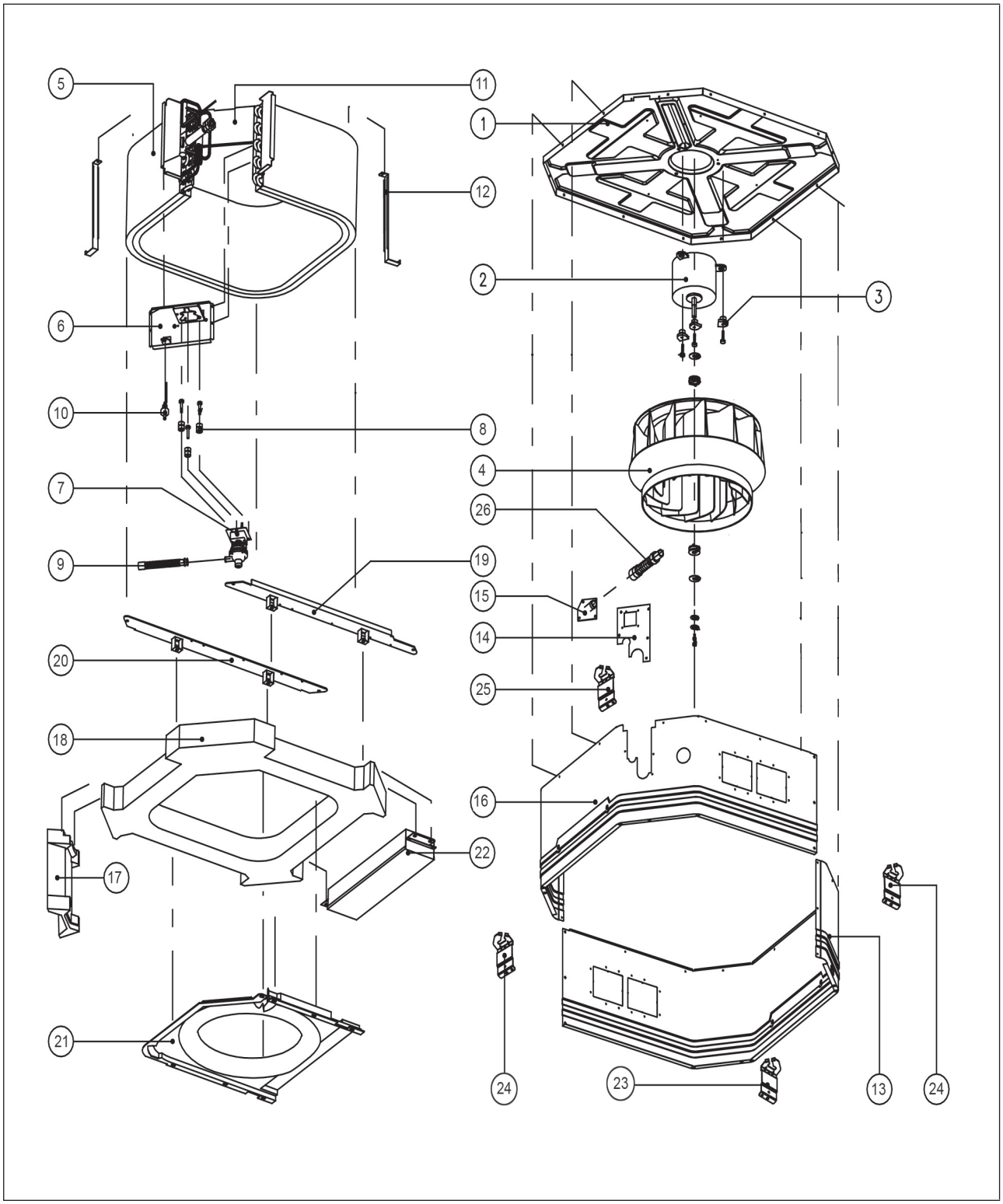
INDOOR UNIT
MODEL : M5CKX020/025A/AR



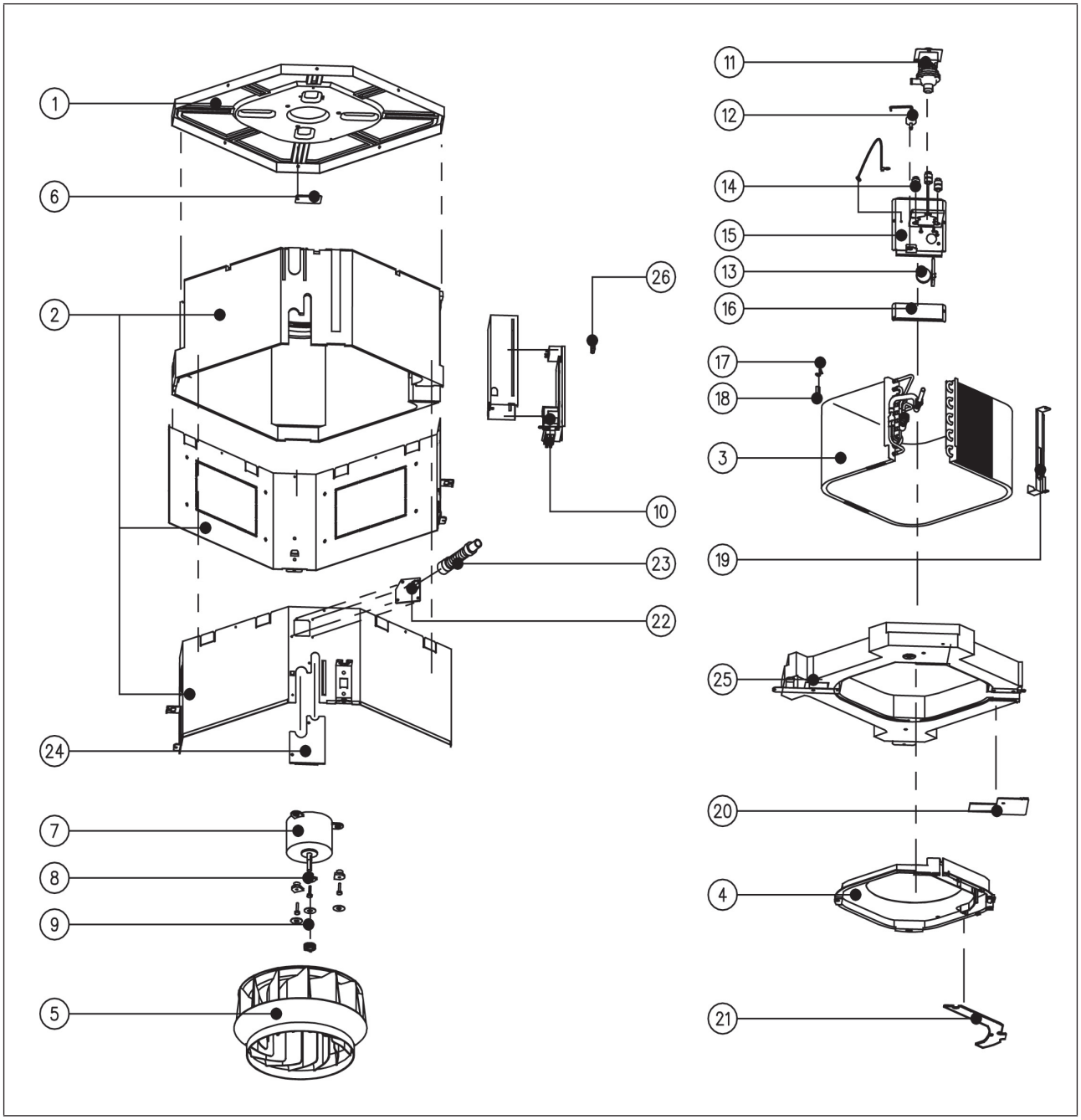
MODEL : M5CKX020/025A/AR

No	Description	Part Number
1	Assy. Base Pan	R50013028745
2	Motor, Fan	
	M5CKX - 020A	R03039001735
	M5CKX - 020AR	R03039001735
	M5CKX - 025A	R03039001734
	M5CKX - 025AR	R03039001734
3	Bush, Fan Motor	R11014026620
4	Turbo Fan	R03029001613
5	Assy. Heat Exchanger	
	M5CKX - 020A	R50024082149
	M5CKX - 020AR	R50024082149
	M5CKX - 025A	R50024082148
	M5CKX - 025AR	R50024082148
6	Support Bracket	R50014028765
7	Pump, Water	R04139022965
8	Bush, Drain Pump	R11014026614
9	Drain Hose	R10029001615
10	Switch, Water Level	R04069022966
11	Support, Coil	R01014079035
12	Assy. Partition	R50014028766
13	Front Side Panel	R50013028767
14	Valve Plate	R01014028024
15	Drain Connector	R12014028769
16	Assy. Back Side Panel	R50013028771

No	Description	Part Number
17	Air Guide	R12033028773
18	Assy. Drain Pan	R50123028775
19	Front Fix Bracket	R50014028779
20	Back Fix Bracket	R50014028782
21	Fan Cover	R12010027359
22	Assy. Control Box	
	M5CKX - 020A	R50044100999
	M5CKX - 020AR	R50044101001
	M5CKX - 025A	R50044101000
	M5CKX - 025AR	R50044101002
23	Bracket Hanger A	R01024037399
24	Bracket Hanger B	R01024037400
25	Bracket hanger C	R01024037401
26	Assy. Drain Hose	R50124025113
Parts Not in Diagram		
	Control Module	
	M5CKX - 020A	R04084101030
	M5CKX - 020AR	R04084101032
	M5CKX - 025A	R04084101031
	M5CKX - 025AR	R04084101033
	Ionizer	R04239025327
	Assy. Bracket Ion.	R50064082057
	Assy. Negative Ionizer Bracket	R50044084548
	Ionizer,Carbon Fibre	R04239025328

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL : M5CKX010/015/020C/CR



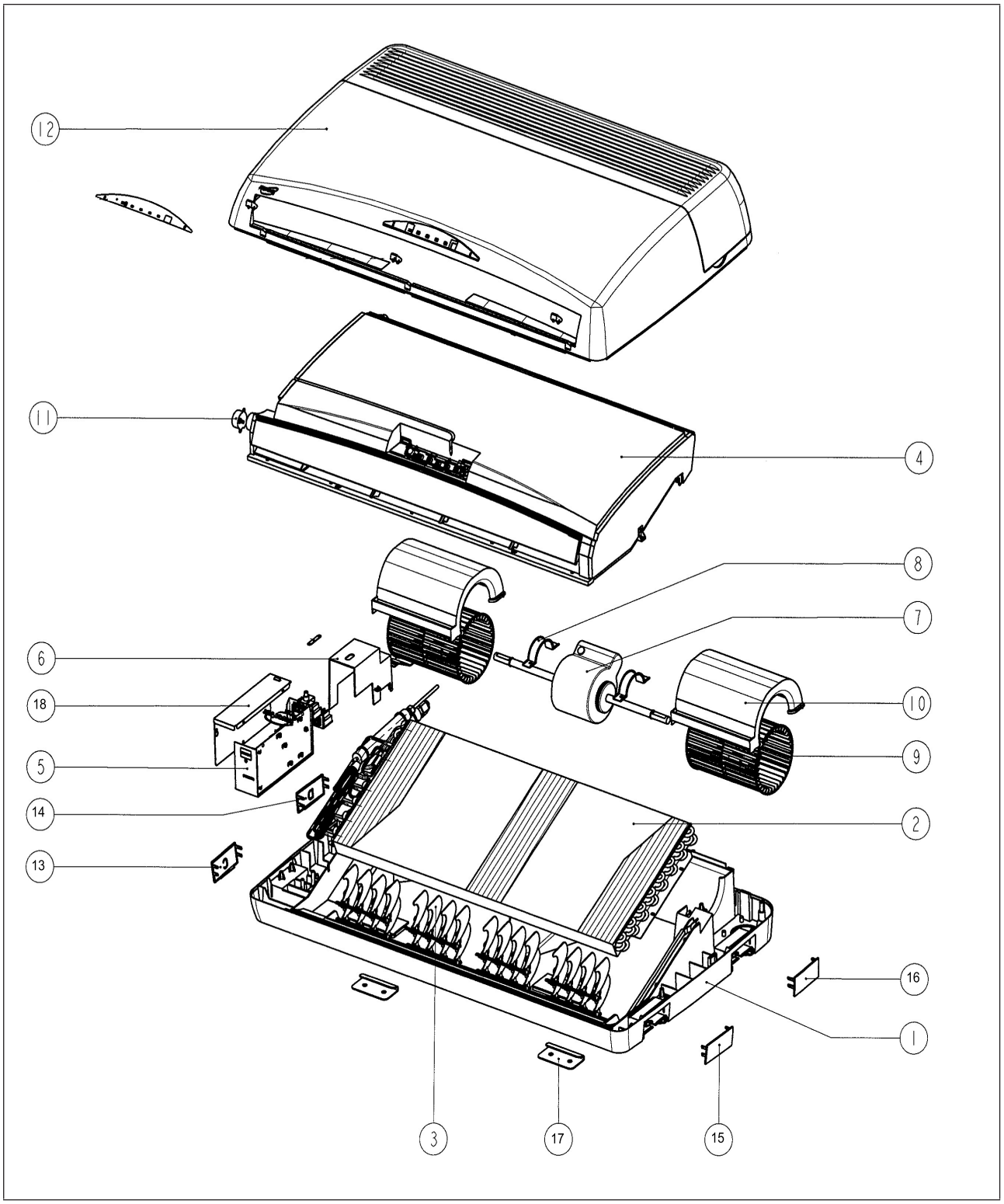
MODEL : M5CKX010/015/020C/CR

No	Description	Part Number
1	Assy. Base Pan	R50014057906
2	Assy. Casing	R50014057905
	Side A Panel	R01014053369
	Side B Panel	R01014053370
3	Assy. Heat Exchanger	
	M5CKX - 010C/CR	R50024086667
	M5CKX - 015C/CR	R50024061114
	M5CKX - 020C/CR	R50024068865
4	Fan Cover	R12014053394
5	Turbo Fan	R03029016598
6	Wire Plate	R01014053397
7	Bush, Fan Motor	
	M5CKX - 010C/CR	R03039016596
	M5CKX - 015C/CR	R03039016596
	M5CKX - 020C/CR	R03039016597
8	Bush, Fan Motor	R11014049558
9	Bush, Fan Motor Ring	R11014049559
10	Control Module	
	M5CKX - 010C	R04084101016
	M5CKX - 010CR	R04084101019
	M5CKX - 015C	R04084101017
	M5CKX - 015CR	R04084101020
	M5CKX - 020C	R04084101018
	M5CKX - 020CR	R04084101021

No	Description	Part Number
11	Pump, Water	R04139022965
12	Switch, Water Level	R04069022966
13	Bush, Wire	R11014001876
14	Bush, Drain Pump	R11014026614
15	Assy. Drain Pump Support Bracket	R50014054265
16	Assy. End Plate Support	R50014057987
17	Clip, Coil Sensor	R07054021183
18	Tube, Sensor Holder	R02014021112
19	Bracket, Coil	R01014053398
20	Terminal Cover	R12014053387
21	Wire Cover	R12014053396
22	Drain Connector	R12014028769
23	Drain Hose	R10029001615
24	Assy. Cover Valve	R50014057903
25	Assy. Drain Pan	R50064061257
26	Bush, Rubber	R11014042391
Parts Not in Diagram		
	Bracket, Drain Pump Support	R01014053375
	Control Box Cover	R01014053386
	Assy. Drain Hose	R50124025113
	Assy. Ionizer	R50134086592
	Ionizer	R04239026587
	Assy. Negative Ionizer Bracket	R50044084548
	Ionizer,Carbon Fibre	R04239025328

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL : M5CMX015/020/025E/ER



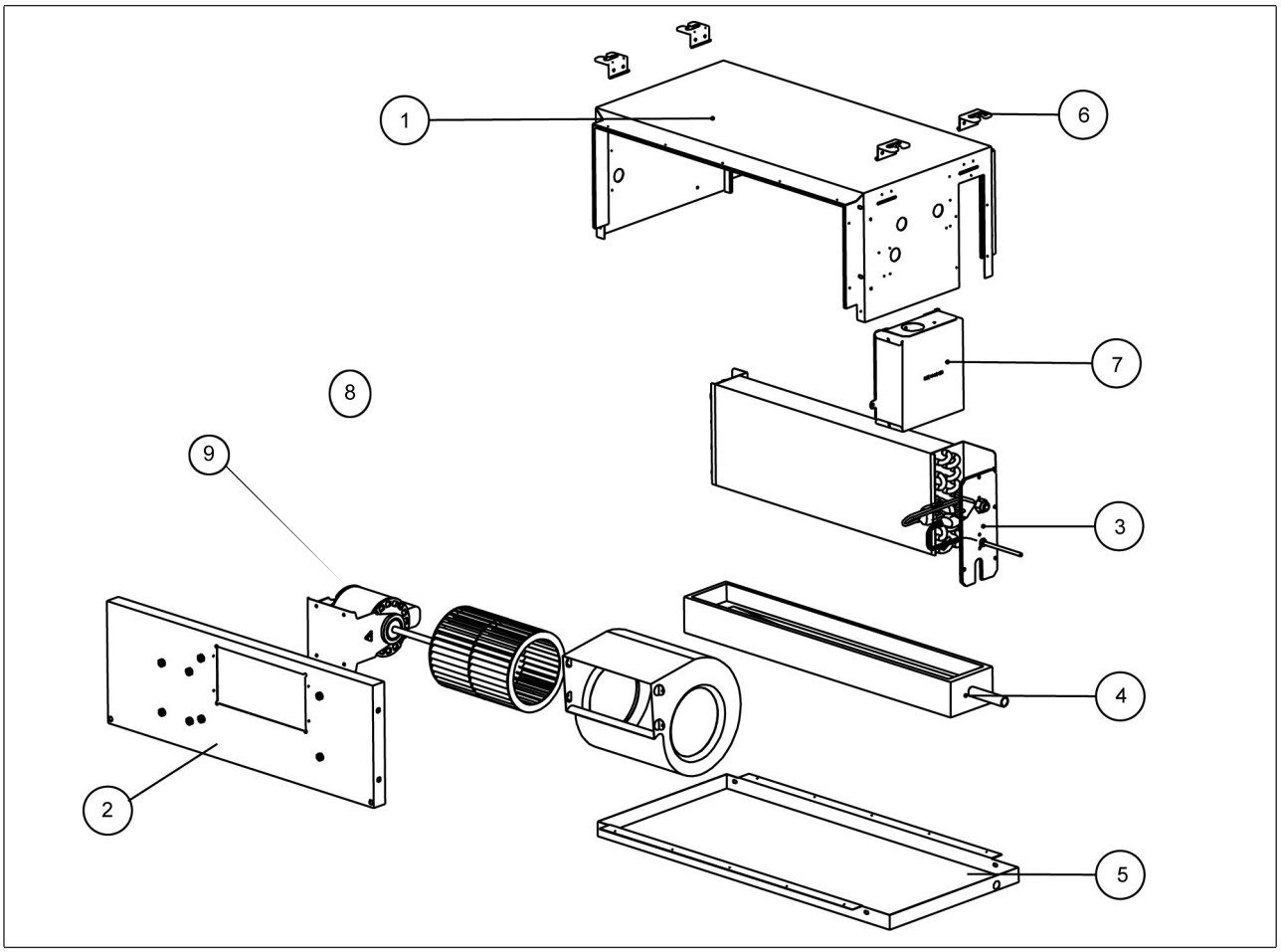
MODEL : M5CMX015/020/025E/ER

No	Description	Part Number
1	Assy. Top Panel	R50124074907
2	Assy. Heat Exchanger	
	M5CMX - 015E/ER	R50024085233
	M5CMX - 020E/ER	R50024080385
	M5CMX - 025E/ER	R50024071828
3	Assy. Vane	R50124074906
4	Assy. Drain Pan	
	M5CMX - 015/020/025E	R50124076123
	M5CMX - 015/020/025ER	R50124080076
5	Assy. Control Box	
	M5CMX - 015E	R50044100687
	M5CMX - 015ER	R50044100690
	M5CMX - 020E	R50044100688
	M5CMX - 020ER	R50044100691
	M5CMX - 025E	R50044100689
	M5CMX - 025ER	R50044100692
6	Terminal Box Cover	R12014071351
7	Motor	
	M5CMX - 015E/ER	R03034085800
	M5CMX - 020E/ER	R03039023304
	M5CMX - 025E/ER	R03039023305
8	Bracket, Motor	R01014071324

No	Description	Part Number
9	Blower	R03024004754
10	Housing, Blower	R12014071385
11	Motor, Louver	R03039023303
12	Assy. Panel Bottom	R50124085499
13	Cover, Hanger L1 (C)	R12014071354
14	Cover, Hanger L2 (D)	R12014071355
15	Cover, Hanger R1 (A)	R12014071356
16	Cover, Hanger R2 (B)	R12014071357
17	Bracket, Mounting	R01014071319
18	Control Box Cover	R01014069872
Parts Not in Diagram		
	Handset, Wireless G17	
	M5CMX - 015/020/025E	R04084100950
	M5CMX - 015/020/025ER	R04084100949
	Control Module	
	M5CMX - 015E	R04084101024
	M5CMX - 015ER	R04084101027
	M5CMX - 020E	R04084101025
	M5CMX - 020ER	R04084101028
	M5CMX - 025E	R04084101026
	M5CMX - 025ER	R04084101029
	Intake Grille	R12014071341

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL : M5CCX010C/CR

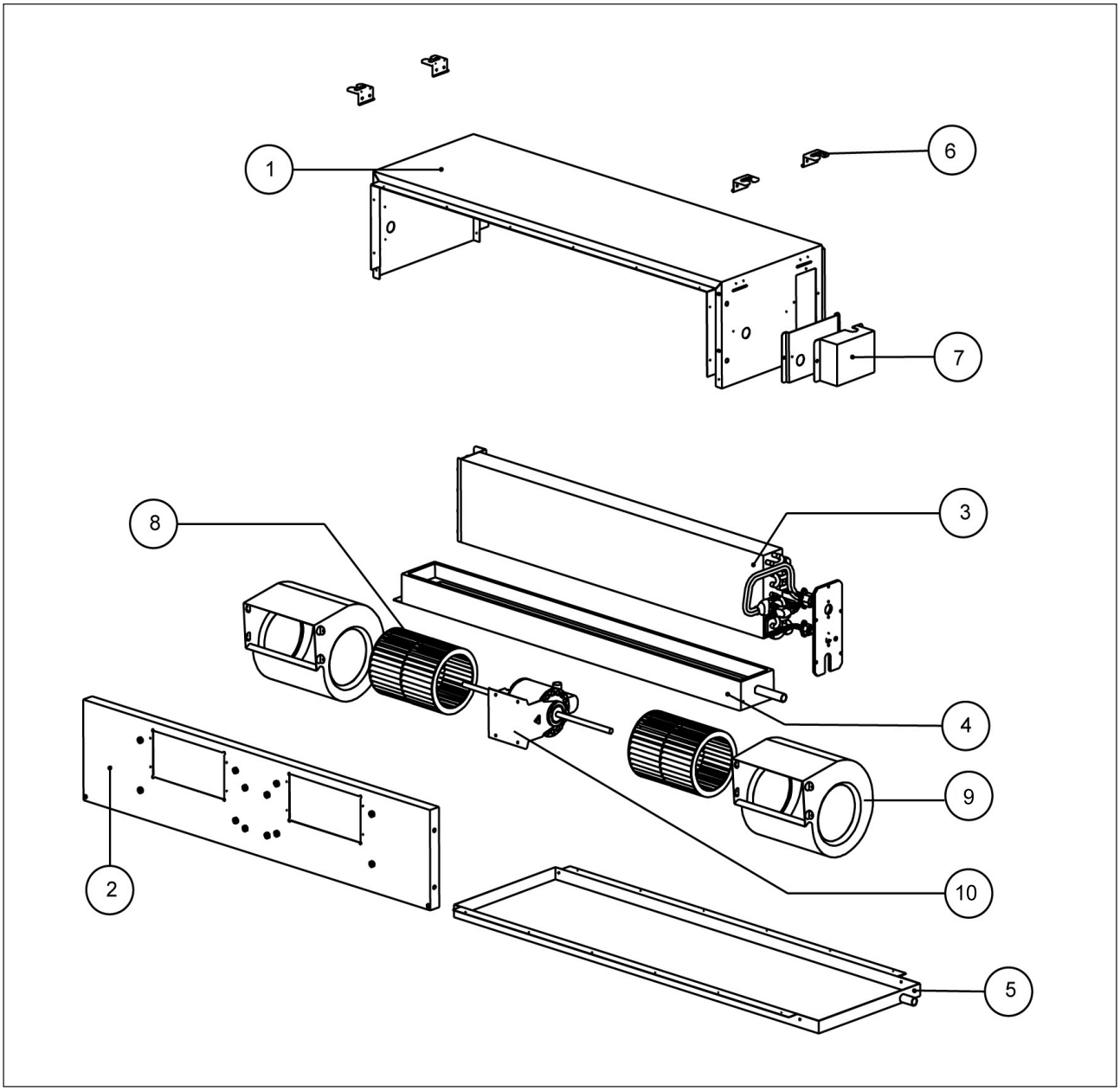


No	Description	Part Number
1	Cabinet	R01013034004
2	Assy. Fan Deck	R50014032627
3	Assy. Heat Exchanger	R50024079383
4	Assy. Drain Pan	R50063033907
5	Assy. Secondary Drain Pan	R50015035045
6	Hanger	R01014032372
7	Control Module	
	M5CCX - 010C	R04084100996
	M5CCX - 010CR	R04084101005

No	Description	Part Number
8	Assy. Blower	R50039005356
9	Motor	R03039004896
Parts Not in Diagram		
	Handset, Wired SLM3	
	M5CCX - 010C	R04089011809
	M5CCX - 010CR	R04089011753
	Air Filter	R03084037810
	Holder, Thermistor	R12014000432
	Clip, Coil Sensor	R07054021183

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL : M5CCX015/020/025C/CR



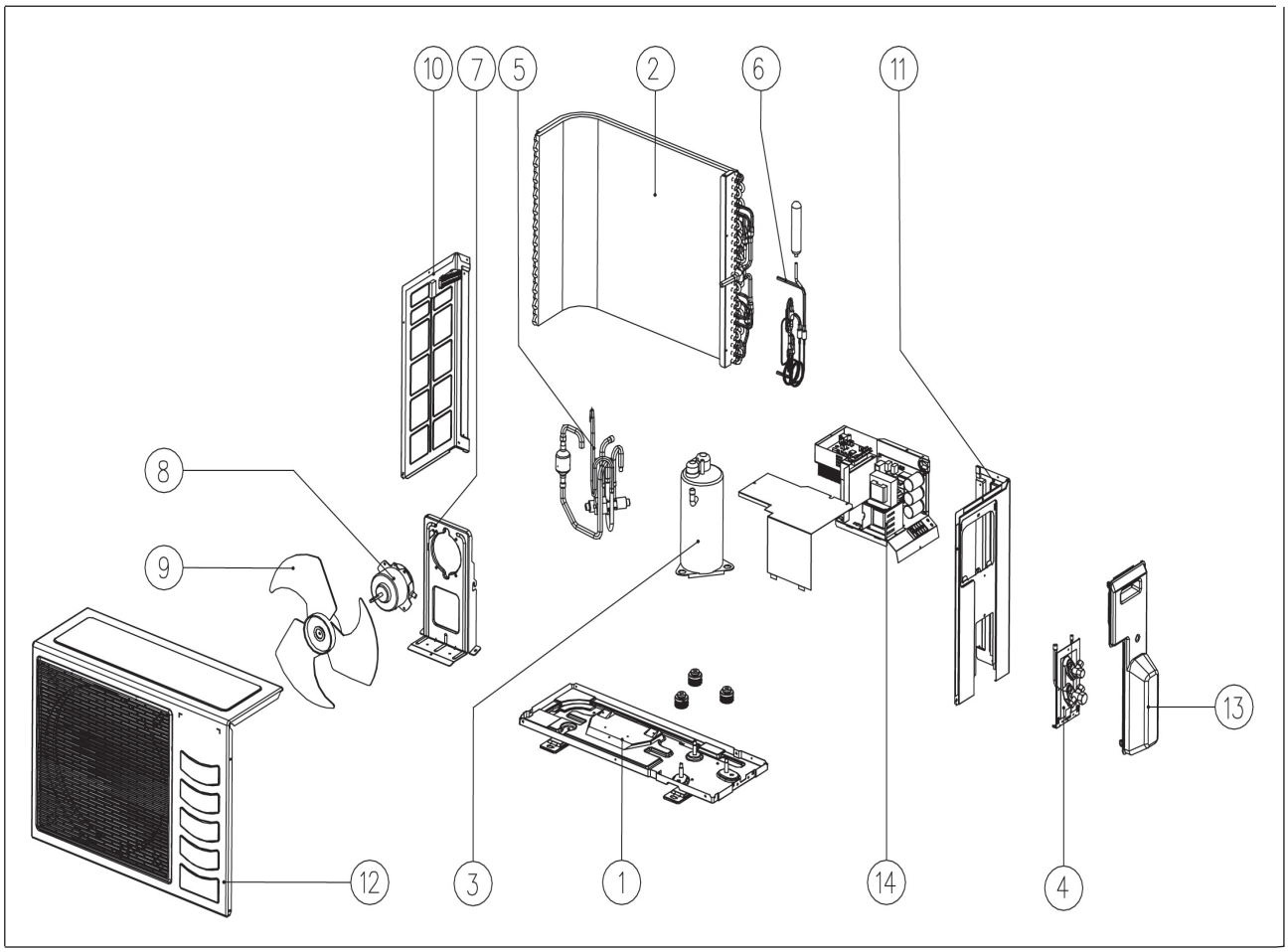
MODEL : M5CCX015/020/025C/CR

No	Description	Part Number
1	Cabinet	
	M5CCX - 015C/CR	R01013032453
	M5CCX - 020C/CR	R01013034005
	M5CCX - 025C/CR	R01013032362
2	Assy. Fan Deck	
	M5CCX - 015C/CR	R50014032628
	M5CCX - 020C/CR	R50014035082
	M5CCX - 025C/CR	R50014032629
3	Assy. Heat Exchanger	
	M5CCX - 015C/CR	R50024079396
	M5CCX - 020C/CR	R50024079268
	M5CCX - 025C/CR	R50024079271
4	Assy. Drain Pan	
	M5CCX - 015C/CR	R50063032460
	M5CCX - 020C/CR	R50063033908
	M5CCX - 025C/CR	R50063032369
5	Assy. Secondary Drain Pan	R50015035045
	M5CCX - 015C/CR	R50015032660
	M5CCX - 020C/CR	R50015035085
	M5CCX - 025C/CR	R50015032661
6	Hanger	R01014032372

No	Description	Part Number
7	Control Module	
	M5CCX - 015C	R04084100997
	M5CCX - 015CR	R04084101006
	M5CCX - 020C	R04084100998
	M5CCX - 020CR	R04084101007
	M5CCX - 025C	R04084101004
	M5CCX - 025CR	R04084101008
8	Assy. Blower Right	R50039005355
9	Assy. Blower Left	R50039005356
10	Motor	
	M5CCX - 015C/CR	R03039004897
	M5CCX - 020C/CR	R03039004898
	M5CCX - 025C/CR	R03039004899
Parts Not in Diagram		
	Handset, Wired SLM3	
	M5CCX - 015/020/025C	R04089011809
	M5CCX - 015/020/025CR	R04089011753
	Air Filter	
	M5CCX - 015C/CR	R03084037811
	M5CCX - 020C/CR	R03084037809
	M5CCX - 025C/CR	R03084037812
	Holder, Thermistor	
	M5CCX - 015/025C/CR	R12014016707
	M5CCX - 020C/CR	R12014000432
	Clip, Coil Sensor	R07054021183

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL : M5LCX010/015C/CR



No	Description	Part Number
1	Assy. Base Pan	R50014057190
2	Assy. Outdoor Coil	
	M5LCX - 010C	R50024084150
	M5LCX - 015C	R50024084151
	Assy. Outer Coil	
	M5LCX - 010CR	R50024083115
	M5LCX - 015CR	R50024082805
3	Compressor	R04019025689
4	Valve Bracket	R01014051164
5	Assy. Rev. Valve 4 Ways	R05019016936
6	Assy. Cap Tube	
	M5LCX - 010C	R50024084137
	M5LCX - 010CR	R50024078331
	M5LCX - 015C	R50024084138
	M5LCX - 015CR	R50024078332
7	Bracket, Fan Motor	R01014051162
8	Fan Motor	
	M5LCX - 010C/CR	R03039016892
	M5LCX - 015C/CR	R03039016893
9	Fan Blade	R03019015339
10	Left Panel	R01014051166

No	Description	Part Number
11	Right Panel	R01014051167
12	Top/Front Panel	R01014051171
13	Assy. Valve Cover	R50124051173
14	Assy. Control Box	
	M5LCX - 010C/CR - ACITA	R50044101010
	M5LCX - 015C/CR - ACITA	R50044101011
	M5LCX - 010C/CR - ACOUA	R50044101012
	M5LCX - 015C/CR - ACOUA	R50044101013
Parts Not in Diagram		
	Assy. Flare Valve 3 Ways 3/8”	
	M5LCX - 010C/CR	R05019025684
	Assy. Flare Valve 3 Ways 1/2"	
	M5LCX - 015C/CR	R05019025683
	Partition	R01014082786
	Panel, Terminal Box Cover	R01014069441
	Jacket, Compressor	R06074058292
	Jacket, Compressor	R06074083219
	Filter Dryer	R02169017980
	Flare Valve 2 ways 1/4"	R05019016887
	Flare Valve 3 ways 3/8"	R05019016888
	Flare Valve 2 ways 1/2"	R05019016889

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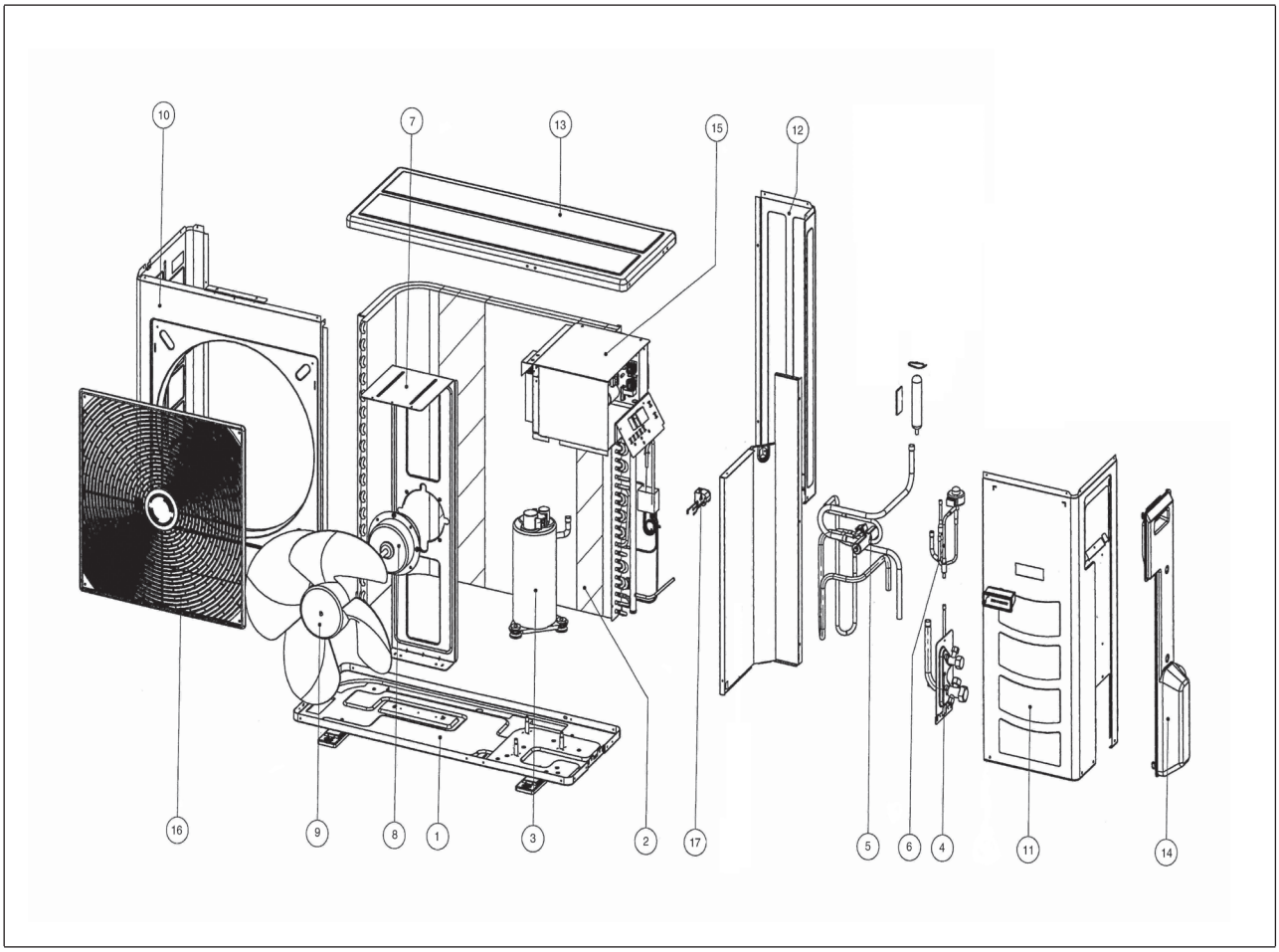
OUTDOOR UNIT
MODEL : M5LCX020/025C/CR



No	Description	Part Number
1	Assy. Base Pan	R50014073830
2	Assy. Outdoor Coil	R50024073384
3	Compressor	R50049024263
4	Assy. Valve Bracket	
	M5LCX - 020C/CR	R50014073839
	M5LCX - 025C/CR	R50014073840
5	Assy. Rev. Valve 4 Ways	R05019016937
6	Assy. EXV	R50024077293
7	Bracket, Fan Motor	R01014070948
8	Fan Motor	
	M5LCX - 020C/CR	R03039024770
	M5LCX - 025C/CR	R03039024771
9	Fan Blade	R03019023393
10	Left/Front Panel	R01014070947

No	Description	Part Number
11	Service Panel	R01014070949
12	Right Back Panel	R01014070950
13	Top Panel	R01014070596
14	Assy. Valve Cover	R50124073905
15	Assy. Control Box	
	M5LCX - 020C/CR	R50044101014
	M5LCX - 025C/CR	R50044101015
16	Assy. Front Panel	R50124072880
17	Coil, Solenoid	R04059022076
Parts Not in Diagram		
	Assy. Cap Tube	R50024078186
	Partition	R01014089773
	Filter Dryer	R02169024287

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